
**KENTUCKY STATE
UNIVERSITY**


**INTERIM
CATALOGUE
1983-84**

INTRODUCTION

This 1983-84 interim catalogue constitutes the authoritative source of academic regulations and degree requirements for students who began pursuit of degrees during the 1983-84 academic year or the summer of 1984. The major difference between the 1983-84 interim catalogue and the 1984-85 catalogue is the academic regulations and policies.

The course descriptions do not differ as between the 1983-84 interim catalogue and the 1984-86 catalogue. Thus, students may refer to either one of the catalogues when reviewing course descriptions for the purpose of class scheduling and discussions with mentors or advisors.

Best wishes,


MacArthur Darby
Acting Vice President
for Academic Affairs

The Academic Life

Semester Hour

A semester hour represents one clock hour of recitation or lecture or two clock hours of laboratory a week for one semester; drawing, shop work, physical education, and other courses requiring little outside work are reckoned at two clock hours for one semester hour.

Student Load

The normal semester load for all students is 16 hours. The minimum load to be classed as a full-time student is 12 semester hours. To pursue above 19 hours one of the following conditions must prevail:

1. Hours are required in the curriculum.
2. Previous semester average is 3.0 or above.
3. Students are prospective graduates.

The maximum number of semester hours that can be pursued during the summer term is 12. Where a four-semester hour course is involved, the Vice President for Academic Affairs may give special permission for a student to pursue 13 hours.

A mark of "I" is to be assigned only when a minor part of a course requirement has not been completed, e.g., the final examination, one major exam, completion of a term paper or class project or part of the requirements of a laboratory. The "I" is not to be assigned when it can only be effectively removed by

the student retaking the course wherein the student has missed more than a minor portion of said course.

An incomplete or "I" earned in any given semester must be removed during the next semester. Otherwise, the grade of "I" will be automatically changed to a grade of "F".

A mark of "W" shall be granted a student provided that student formally withdraws from a course or the University within the stated deadlines.

The several marks yield quality points as follows:

- A - Four quality points per credit hour - Excellent
- B - Three quality points per credit hour - Superior
- C - Two quality points per credit hour - Average
- D - One quality point per credit hour - Poor
- F - No quality point, no credit - Failure
- P - Pass - not included in average
- W, I - No quality points, no credit
- AU - Audit - no quality points per credit hour
- NG - No grade submitted by instructor

Courses in which a student has made a mark of "A," "B," "C," or "D" may be counted toward a degree with two exceptions: (1) Major and minor courses and (2) Freshman English (English 101 and English 102). A student must repeat all major courses in which he earns a mark of less than "C," and when he has accumulated marks of "D" covering more than 16 semester hours. He shall immediately repeat one or more of the courses in which such marks were earned. Such repetition is kept up until marks

higher than "D" are earned in the repeated courses. If the mark earned is higher than "D" it is substituted for the original mark made in the course. This substitution is indicated on the record by a suitable device. No student is allowed to graduate if his record shows more than the allowed number of D's after the substitution has been made.

Students must earn a grade of "C" or better in all their required and/or elective major and minor courses in their academic programs.

At his first opportunity, a student must repeat in class a required course in which he has received a mark of "F" or "W," unless the Vice President for Academic Affairs authorizes a substitute course.

Grades of "F" will be assigned for courses not officially dropped.

Grades of "P" or "F" will be assigned for Pass-Fail courses.

CLASS ATTENDANCE POLICIES AND REGULATIONS

Definition of Terms

1. A "limited cut" means that a maximum number of excused and unexcused cuts is allowed.
2. "Unlimited cuts" means that there is no established number of excused and unexcused cuts allowed.
3. "Patriotic duty" means participation by a student as a representative of Kentucky State University in an extra-curricular or co-curricular activity.
4. "Excused cuts" are those cuts approved by the Dean of Student Affairs.

General Statements of Policy and Regulations

Policies:

1. A "limited cut" system will be in effect for all students (Freshmen, Sophomores, Juniors, and Seniors) enrolled in 100 and 200 level courses.
2. An "unlimited cut" system will be in effect for all students (Freshmen, Sophomores, Juniors, and Seniors) enrolled in 300 and 400 level courses.

Regulations:

1. Any class absences incurred while students are rendering "patriotic duty" are to be excluded from the provisions of the policies above.
2. Faculty members will be informed by the Office of Student Affairs when students are absent from classes because of "patriotic duty."

.. REGISTRATION

All students must check with their advisors prior to the time of registration in order to have programs of study and courses approved. The Director of Records and Registration sets the time of registration for all students and informs students of the time they are to register.

Students are expected to register at the appointed time.

Students may not register for credit after the deadline set for completion of registration. A late registration fee is assessed, not to exceed \$10, on students who do not register at the appointed time.

Specific Interpretations of Policies and Regulations

1. For four hour courses, four unexcused cuts are allowed.
Unexcused and excused cuts should not exceed twelve.
2. For three hour courses, three unexcused cuts are allowed.
Unexcused and excused cuts should not exceed nine.
3. For two hour courses, two unexcused cuts are allowed.
Unexcused and excused cuts should not exceed six.
4. For one-half and one hour courses meeting twice a week, two unexcused cuts are allowed. Unexcused and excused cuts should not exceed six.
5. For one hour courses meeting once a week, one excused cut is allowed. Unexcused and excused cuts should not exceed three.
6. When a student's absences exceed the maximum allowed, the final grade may be lowered one grade level (letter) for 1-2 absences above the maximum; two levels (letter) for 3-4 absences above the maximum, etc.

CLASSIFICATION OF STUDENTS

Students shall be classified as indicated below upon the completion of the respective number of hours provided that all entrance requirements have been met.

Freshman	0-29 semester hours
Sophomore.	30-59 semester hours
Junior	60-89 semester hours
Senior	90 semester hours and above

PROBATION AND DISMISSAL FOR LOW SCHOLARSHIP

The academic standing of a student is the ratio of his total number of quality points to his total hours pursued. In order to remain in good academic standing, a student must maintain the following cumulative grade point average in accordance with the number of semesters of attendance:

End of 1 and 2 semesters: 1.60

End of 3 and 4 semesters: 1.70

End of 5 and 6 semesters: 1.90

End of 7 and 8 semesters: 2.00

- A. A student will be placed on probation if at the end of any semester his average falls below the minimum cumulative grade point average stated above.
- B. Probated students who do not meet the minimum requirements listed above will be suspended for one semester. Upon petition, the cases of suspended students will be reviewed by the Academic Review Committee.
- C. Students who are readmitted after being suspended for low scholarship will have two semesters to meet their minimum cumulative grade point average or incur a dismissal. (For example, a first year student suspended at the end of his second semester in college would have two semesters in which to bring his cumulative grade point average up to the required 1.70.)

- D. Upon petition by letter, the cases of students falling in the following categories will be reviewed:
1. Freshmen with current semester averages of at least 1.0 and overall averages of at least 1.30.
 2. Sophomores with current semester averages of at least 1.40 and overall averages of at least 1.60.
 3. Juniors with current semester averages of at least 1.60 and overall averages of at least 1.80.
 4. Seniors with current semester averages of at least 1.70 and overall averages of at least 1.90.
 5. Consideration will be given to cases of students falling in the categories listed above with special problems that could have affected scholastic progress--family, finances, illness.
 6. Consideration will be given to student progress in basic courses--English 101, History 101, Biology 101, etc.
 7. Appeals should be made in writing within one week after receipt of suspension notice.
 8. A student may appeal to the Academic Review Committee (Academic Policies Committee of Faculty Senate) only once following each suspension.
- E. No student is permitted to transfer credit earned during the semester of suspension for poor scholarship.
- F. A student that has served one academic suspension will be dismissed upon receiving a second notice of unsatisfactory scholarship. A dismissed student is not eligible to return to the University without petition.

- G. Any student renders himself liable to suspension for breach of discipline who, while on academic probation, engaged (as a representative of the University) in any public exhibition, contest, inter-collegiate game or other organized college activity or who fails to conform to any rule governing students on academic probation. However, an exception to this rule is made for a student who is enrolled in a particular course for credit and is required to engage in public exhibition in connection with that course. For example, this rule does not apply to a student required to participate publicly in such activities as music performances, speech and dramatic functions, if public participation is required in connection with the course, which is taken for credit and does not require the student to be absent from any of his classes.
- H. A student who has served a suspension is readmitted on probation.
- I. A student who is suspended at the end of the spring semester may attend summer school at Kentucky State University without petition.
- J. Freshmen and sophomores on probation are limited to a maximum of 14 credits during the semester of probation.

Regulations for Terms of Study Less Than A Year

When a student of any classification pursues 12 or more semester hours of work during different semesters within the regular year, the regulations regarding scholarship standards will be applied.

Withdrawal From the University

The required procedure for withdrawing from the University is as follows: The student obtains a withdrawal form, consults his Department Chairperson and obtains all other signatures necessary, e.g., the Vice President of Student Affairs and the Vice President for Business Affairs.

Students who withdraw after the deadline will not receive W's, but grades that are based on performance for the full term.

Changing Courses

All changes of registration (either by adding or dropping a course or changing hours and sections) must be made through the Registrar's Office. Any student who takes a course irregularly will not receive credit for it. The penalty for changing or dropping a course without the approval of the Director of Records and Registration is failure in the course.

A processing fee is charged for adding or dropping a course.

Residence Requirements

To obtain a degree, the student must have registered in Kentucky State University as a resident student during the final year and have gained the last 32 semester hours in the institution. At least one-half the credits of a major must be gained in this institution. The student is to check with his* departmental advisor during the first semester of the senior year to make certain that he/she is meeting all requirements for graduation.

Liberal Studies and the University

Kentucky State University is the Commonwealth's designated public liberal studies institution. But what are the liberal studies? What makes an institution a liberal studies institution?

Liberal studies embrace the traditional subjects of the arts and the sciences. These studies include, but are not limited to, the study of mathematics and poetry, history and the social sciences, literature and languages, the fine arts and philosophy, and the study of the natural world, its structures and creatures.

Subject matter alone, however, does not exhaust the meaning of liberal studies, nor the meaning of a liberal education. A liberal studies education and training for a career or a profession are obviously not mutually exclusive. But whether one is an engineering or an English major, a premed or prelaw student, a computer enthusiast or someone committed to a career in teacher education or business management, Kentucky State best serves those who, regardless of their long-range goals, seek to think for themselves. Such students are those who wish to think clearly, to argue persuasively, to write with clarity and liveliness, to gain both a cultural and historical perspective on the human experience, and to gain knowledge in some depth in at least one area of human thought. Liberal studies spark curiosity and broaden vision. Liberal education provides the tools by which men and women come to understand the world, each other, and themselves.

Liberal studies, in short, are studies that lead toward independence of mind. More critical than the development of specialized skills, the development of independent thought is the enduring basis for personal

growth. Lacking the ability to confront new problems with clarity of thought and resourcefulness, the possession of specific skills, however important they may rightly be, is insufficient. Job skills change with the fashions and shifting requirements of the day. The ability to think for oneself remains the governing resource of truly educated persons.

In a recent speech at Kentucky State University, Edwin Delattre, President of St. John's College, spoke of the power of liberal education:

"Minds can be shackled by laws against education, by parental indifference, by propaganda, by distraction, and in a thousand other ways. Worst of all, people can enslave, enshackle, victimize their own minds, without any help from anyone else. It happens all the time, and you can see the marks, the wounds and scars, of these shackles every day, everywhere, if you know what to look for. It is often very hard, though, to see or feel these shackles inside oneself."

Liberal education -- liberating education -- is the kind which ferrets out these shackles, seeks to open them where they exist, and prevent them where they do not."

Education of this sort must be earned; it comes with persistence and effort. Ultimately, liberal studies require the courage to follow a question, persistently and resourcefully, wherever it might lead. At Kentucky State, education is the daily pursuit of the intellectual and moral maturity of its students.

The Academic Program

The University serves many ends, but the true test of an institution's quality is whether its graduates have learned to think for themselves. St. Augustine paid his education the compliment of saying that as a result of it he could read anything that was written, understand anything that he heard said, and say anything he thought. There can be no higher praise.

Every baccalaureate degree program at the University has been designed to provide students with the breadth of a sound liberal studies education and the more specialized skills that derive from disciplined study of individual subject matters. Together, it is believed that the University's Liberal Studies Requirements and Departmental Requirements will provide every student with the kind of education that can earn for itself the praise that St. Augustine paid his own education.

University Requirements

Every student entering the University who intends to earn a baccalaureate degree must satisfy the University's Liberal Studies Requirements. In addition to the requirements of the student's major field of study, these Liberal Studies Requirements constitute a carefully designed program of 53 credit hours of courses to be chosen from the various departmental offerings of the University. An important feature of these requirements is the sequence of Integrative Studies courses. Details of the Integrative Studies program may be found in the section describing the College of Arts and Sciences. A number of electives are included in the Liberal Studies program, and students are encouraged to carefully consider the alternatives available to them.

Liberal Studies Requirements

I. Languages and Reasoning

ENG 101 - Composition	3
ENG 102 - Composition	3
SPE 103 - Interpersonal Communication	3
MAT 110 or above	3
Introduction to Foreign Language OR	
Introduction to Computer Language	6
TOTAL	18

II. Fine Arts, Letters, History, and Integrative Studies

ART 130 - Introduction to Art OR	3
MUS 130 - Introduction to Music	3
ENG 211 - Introduction to Literature	3
HIS 103 - Survey of Civilization	3

*Integrative Studies

IGS 200 Foundations of Cultures	3
IGS 201 Convergence of Cultures	3
IGS 300 - Reshaping of Cultures	3
IGS 301 - Quest for New Forms of Cultures OR	
IGS 400 - Individual Studies of Cultures	3
TOTAL	21

*Up to 15 hours of Integrative Studies may be elected by a student or required for a major.

III. Sciences

A. Behavioral (select one):

PSY 200 - Psychology OR	
SOC 203 - Sociology	3

B. Social (select one):

ECO 200 - Economics OR	
POS 101 - Political Science	3

C. Natural:

BIO 101 - Life Science	3
(select one):	
BIO 112 - Explorations of Modern Topics in	
Biology OR	
CHE 109 - Survey of General Chemistry OR	
PHY 111 - Introduction to Physics OR	
PHS 201 - Physical Science	3

TOTAL 12

IV. Health Education

(select one):

PHE 221 - Health & Safety Education OR	
Physical Education Activity courses	2

TOTAL 2

TOTAL CREDIT HOURS 53

Departmental Requirements

Students intending to earn either baccalaureate or associate degrees must satisfy the specific requirements stipulated by the various academic departments. (Only

baccalaureate degree students must satisfy the Liberal Studies Requirements.)

Departmental Requirements vary in the number of credit hours designated for particular degree programs. Details of these requirements may be found in this Catalogue under the relevant departmental headings. Students are expected to seek the advice of both mentors and departmental advisors in determining the course of study they will follow at the University.

No student is required to declare an official major field of study before the completion of 60 credit hours. Students are encouraged to take full advantage of the University's diverse curricular offerings before declaring an official departmental major. However, once a major has been declared, students may not change their official departmental majors later than the beginning of the first semester of their senior year. At least one-half of a student's major field academic course credits must be earned at Kentucky State University. Students must complete the final 32 credit hours of their academic careers at Kentucky State University in order to qualify for a degree from the University.

Academic Progress and Graduation

To earn a degree from Kentucky State University, students must satisfy both departmental and University course requirements. In addition, they must maintain good academic standing as defined in the University's Academic Policies and Regulations. These policies and regulations are set forth elsewhere in this Catalogue, and students are expected to abide by these rules.

Students required to take remedial coursework in reading, composition, or mathematics should not expect to complete their baccalaureate degree requirements within the traditional period of four undergraduate academic years. Summer session coursework and possibly an additional academic semester's coursework may be required in such cases. Every student is encouraged to work closely with his mentor or departmental advisor.

Pre-professional Programs

Kentucky State University offers preparatory programs for students wishing to enter the fields of medicine, law and engineering. These programs are housed in various divisions of the College of Arts and Sciences. In addition to preparing students for entrance into the professional school of their choice, Kentucky residents attending Kentucky State University will be eligible for three

percent of the openings at Kentucky's publicly-supported law, medical and dental schools. Students interested in any of the above professional areas should contact the University's professional advisors through the College of Arts and Sciences.

Academic Honors

The University encourages high standards of academic excellence and acknowledges student academic achievement. An Academic Honor Roll and Dean's List are published at the end of each academic semester. Students enrolled for twelve (12) or more semester hours whose grade point average is 3.20 or better will be included on the Dean's List.

Part-time students are also given special recognition for academic achievement. Students enrolled for six through eleven (6-11) semester hours whose grade point average is 3.20 or better will be on the Academic Honor Roll.

Graduation honors are also awarded. A student who maintains a cumulative grade point average of at least 3.2 is awarded the baccalaureate degree *Cum Laude*. A student who maintains a cumulative grade point average of at least 3.5 and has received no grades of D or F is awarded the baccalaureate degree *Magna Cum Laude*. Finally, a student who maintains a cumulative grade point average of at least 3.8 and has received no grades of D or F is awarded the baccalaureate degree *Summa Cum Laude*.

Graduation honors are awarded only to those students who have earned at least 64 semester credit hours at the University.

Foreign Study

Beginning in the Fall of 1984, KSU will offer opportunities for foreign study to qualified students. Students may take advantage of programs allowing them to pursue their major at many of the world's most prestigious universities. KSU, as a member of the Cooperative Center for Study in Britain, offers a summer term, junior year and December-January interim program at Queen Elizabeth College of the University of London.

Students may also select programs in Italy, Mexico, Puerto Rico, South America and Scandinavia. As our programs continue to expand, we hope to offer similar courses of study in the Caribbean, Africa and Asia.

In order to qualify, students must have a 3.0 cumulative grade point average. In addition, they must fulfill language requirements where applicable in their

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Students may also select programs in Italy, Mexico, Puerto Rico, South America and Scandinavia. As our programs continue to expand, we hope to offer similar courses of study in the Caribbean, Africa and Asia.

In order to qualify, students must have a 3.0 cumulative grade point average. In addition, they must fulfill language requirements where applicable in their

major field of study and design a program of study in conjunction with their advisor which is approved by the Office of Academic Affairs. Additional information may be obtained from the Office of Academic Affairs.

Cooperative Education Program

Cooperative Education at Kentucky State University is an academic program incorporating alternating periods of full-time employment and classroom study.

This educational process is a joint or cooperative effort on the part of the faculty, which instructs the student; the employer, who furnishes opportunities for practical applications of the student's classwork; and the Cooperative Education Director, who provides counsel, task coordination, and a liaison between the student and employer.

Cooperative Education helps the student bridge the gap between the classroom and the world of work. The work experience is supplemental to the knowledge gained in the classroom, and it allows the student to observe and participate in practical applications of what has been

learned. Cooperative Education enables students to be more valuable contributors upon returning to the classroom; they gain self-confidence and become more involved in the educational process. Full-time employment is of significant financial benefit to the student and is valuable in adding to the student's credentials for employment. Upon graduation, the co-op student has a decided edge in competing for desired professional positions.

The Cooperative Education Program is offered to all students after the completion of one full year (24-hour minimum). Participating students are expected to be in good standing with the University, having a cumulative grade point average of 2.0 or better. Cooperative Education seeks to meet the needs of students in all academic disciplines offered at Kentucky State University.

Kentucky State University is committed to the belief that supervised work experience is worth college credit; therefore, upon successful completion of each semester of work experience, credit hours are awarded.

It is recommended that each student take the time to visit the Cooperative Education office and talk with the Director.

Academic Advisement: The Mentor System

To know the road ahead, ask those coming back.

Chinese Proverb

There's more than enough advice to be had at Kentucky State University. The problem is to know when to seek it, where to get it, and how to weigh it. The University provides a variety of academic advising and personal counseling services to students. While every effort is made to assure that each student receives the personal attention he requires and deserves, the University expects students to take the initiative in seeking out assistance from the University's faculty and staff.

As a liberal studies institution, Kentucky State offers its students much more than narrowly-focused training. Experience shows that programs of undergraduate study which require students to achieve mastery of principles and problems across a broad range of subject matter disciplines is the best preparation for later life and employment. Accordingly, the process of academic advisement at Kentucky State University is centered on the identification of each student's needs on an individual basis. Throughout, faculty advisors seek to correct deficiencies; support high standards of academic performance; and provide, persistently and resourcefully, the support that students may require in order to make responsible choices about their careers at the University and beyond.

Academic advising at Kentucky State begins with the mentor program. Every entering freshman who intends to pursue requirements for a baccalaureate degree is assigned to a mentor. Mentors are faculty members and, in some instances, staff personnel who have exhibited continuing commitment to the importance of providing students with personal attention in the planning and pursuit of their academic objectives. Mentors are selected from every educational unit in the University. Mentors are prepared to advise students not only regarding departmental requirements, but are prepared to provide students with information and advice about the University's Liberal Studies Requirements. Mentors are typically responsible for a group of some eight to ten entering students. Efforts are made to insure that each mentor group includes students representative of the curricular, racial, and geographic diversity of the University's student body. From their first day at the University, students are encouraged to take an active part

in their own learning. Participation in mentor groups is a good beginning. In addition to discussion of academic topics, mentor groups organize various social and cultural activities during each semester of the freshman year.

According to University rules, no student is required to declare a major field of study before the completion of 60 credit hours of academic work. Newly entering students are particularly encouraged to seriously examine their academic and career expectations. Once a student officially declares a major field of study, an advisor is selected or assigned from within the particular academic department. The departmental advisor serves as a useful source of information regarding such matters as major field requirements, research opportunities within the field, and possible graduate study or other career or employment opportunities for which the student may be eligible.

The College of Arts and Sciences

At the heart of a liberal studies institution, one finds the subjects and disciplines of the traditional arts and sciences. Excellence in teaching is the governing institutional objective of the College. Academic programs of the College are varied and broad in scope. Academic majors are offered in the following fields:

Art
Biology
Chemistry
English
History
Mathematics

Medical Technology
Music
Physical Education
Political Science
Psychology
Sociology

In addition, in cooperation with the University of Kentucky, Kentucky State offers a pre-Engineering academic major program. Students study applied mathematics at Kentucky State for the initial three years of their undergraduate career. Upon successful completion of requirements at Kentucky State, they are accepted by the University of Kentucky for two further years of rigorous study in any of several fields of engineering. Students who successfully complete both portions of this double-degree program are awarded Bachelor of Science degrees in Applied Mathematics from Kentucky State University and from the University of Kentucky in the specific field of engineering studies at the University of Kentucky. Details of this particular program may be found in the section on the Division of Mathematics and Sciences of the College of Arts and Sciences.

An important curricular commitment of the College of Arts and Sciences is the newly-instituted University baccalaureate requirement in Integrative Studies. Housed at present within the Division of Literature, Languages, and Philosophy, the program of Integrative Studies is considerably more than a sequence of courses in the traditional humanities. Indeed, in some respect or other, nearly every academic division of the College contributes to the instruction offered in this innovative undergraduate program. Details of the Integrative Studies program may be found immediately following.

Finally, students interested in earning credit toward certification for elementary or secondary education teaching undertake coursework offered by Divisions of the College of Arts and Sciences in cooperation with the faculty of the Teacher Education program supervised by the College of Applied Sciences. Details of these programs may be found in the section on Teacher Education elsewhere in this catalogue, and students should also refer to the appropriate subject matter sections of the College of Arts and Sciences for coursework requirements applicable to their particular subject matter interests.

Integrative Studies

The Integrative Studies program seeks to introduce students to a global view of human achievement within historical, cultural, and scientific contexts. The nondisciplinary and multi-cultural thrust of the program is based on the implementation of new modes of instruction that facilitate, through common lectures and seminar discussions, the integration of various components of Western and non-Western culture.

At the heart of Integrative Studies lies the University's commitment to make students deeply aware of the symbols and concepts that have guided successive generations in their attempts to organize and communicate experience in the natural, intellectual, and spiritual realms. The integration of knowledge brings to life the ideal of cultural pluralism by expanding the number of perspectives from which questions of value may be viewed.

Inherent in this approach is the belief that students must be introduced to events, individuals, ideas, and artifacts that constitute the complicated heritage of the human enterprise.

Course Descriptions

In order to graduate, all Kentucky State students must complete successfully Integrative Studies 200, 201, 300.

and either Integrative Studies 301 or 400 for a total of 12 credit hours.

IGS 200. The Foundations of Western Culture.

3 credit hours

Prerequisite: English 101. An interdisciplinary study of the various modes of thought which have linked together the major developments of western culture, especially in areas of mythology, literature, philosophy, social institutions, art and music, science and medicine. Deals especially with Greco-Roman culture from Homer to the Hellenistic era.

IGS 201. The Convergence of Cultures in the Middle Ages and the Renaissance.

3 credit hours

Prerequisite: Integrative Studies 200 or permission of the coordinator. An interdisciplinary study of the forces which shaped the development of Western culture from the rise of Christianity to the end of the Renaissance. Deals especially with early Christian thought, medieval humanism, medieval social structures and ideals, art, architecture, music, drama, the scholastic movement, Renaissance humanism and education, and the Reformation.

IGS 300. The Reshaping of Western Culture.

3 credit hours

Prerequisite: Integrative Studies 201 or permission of the coordinator. An interdisciplinary study of the post-Renaissance movements which have reshaped our knowledge of the physical world and our concepts about life. Deals especially with the rise of the new science, the Age of the Enlightenment, artistic expressions, and the philosophical, social, and economic developments of the nineteenth century.

IGS 301. The Search for New Forms of Culture.

3 credit hours

Prerequisite: Integrative Studies 300 or permission of the coordinator. An interdisciplinary study of the most influential movements and attitudes of contemporary society. Deals especially with the modern quest for knowledge, the revolution in the arts, the existentialist tradition, the psychoanalytical perspective, the political and ethical definitions, historical criticism, the nature of the future, global consciousness and some insights into cultural anthropology.

IGS 400. Individual Studies of Cultures.

3 credit hours

Prerequisite: Integrative Studies 200 or permission of the instructor. In-depth study of topics and movements in Western, Oriental or African cultures. Content will depend on instructors teaching the course.

Division of Behavioral and Social Sciences

Instruction in history, political science, sociology, psychology and related fields of social inquiry are offered by the Division of Behavioral and Social Sciences. Baccalaureate degree programs are offered in History, Political Science, Psychology, and Sociology. Teacher education students are provided instruction in the broad

area of the Social Sciences and may satisfy requirements for teacher certification on the secondary school level in Social Studies. In addition, teacher education students may satisfy requirements for a teacher education minor in Sociology.

Students intending to major in either History or Political Science are required to have an academic minor. Study in Computer Science, Economics, and English is recommended. Students majoring in History who seek certification as secondary school teachers are not required to have an academic minor.

History

Courses in History treat the social, political, and intellectual development of civilizations throughout the world. A History Major, for example, may choose courses that examine the cultures of Europe and North America, but attention is also given to the diverse cultures of non-Western traditions.

In order to earn the B.A. degree in History, a student must satisfy the following requirements:

A total of 33 credit hours are required for the Major in History.

History 101-102

History 201-202

An additional 21 credit hours in 300- or 400-level courses, chosen in consultation with the student's faculty advisor. In particular, History majors *must* take History 314 or History 422 and must take History 433.

Majors in History *must* earn grades of C or better in each of the 33 required credit hours in history listed above as requirements in the Major field of study.

In order to satisfy requirements for an academic minor in History, a student must earn 24 credit hours with grades of C or better in the following courses: History 101-102, History 201-202, and a further 12 credit hours selected in consultation with the student's faculty advisor from courses at the 300 or 400 level.

The Teacher Education Program in History is administered in conjunction with the Department of Education in the College of Applied Sciences. It is the student's responsibility to meet its requirements. During the semester in which the student will complete 53 credit hours, he or she must make application to the Committee on Teacher Education for official admission to the

Teacher Education Program. During the semester in which the student will complete 90 credit hours, he or she must make application to the Committee on Teacher Education for official admission to the Student Teaching Program.

Students who seek to qualify for certification as secondary school teachers in History must satisfy the requirements listed for the History Major. In addition, they must take Political Science 101, and a series of courses in teacher education: Education 221, Education 294, Education 301, Education 310, Education 315, Education 394, Education 410, Education 452, and Education 494.

A Teacher Education student who wishes to pursue a teaching minor in History must with the advisor select 21 hours of courses in History.

Course Descriptions

HIS 101-102. World Civilization.

3 credit hours each

Prerequisite: None. The literature, art, music, architecture, other fine arts, religion, and customs of various peoples and nations throughout history. Effort is made to give a grasp of the historical and institutional setting from which these cultures arose, definition of "civilization," discussion of factors which promote the rise of civilizations, forces which contribute to stagnation and decay.

HIS 103. Survey of Civilization.

3 credit hours

Prerequisite: none. A survey of social and intellectual development in the western world from pre-history to the Reformation.

HIS 201-202. United States History.

3 credit hours each course

Prerequisite: None. This course covers the political, economic, and social development of the United States from the Colonial period to the present.

HIS 203. History of Kentucky.

3 credit hours

Prerequisite: None. A general survey of the social, economic and political history of Kentucky; her influence in the development of American democracy; and her period of leadership in the nation.

HIS 300. Problems Seminar.

3 credit hours

Prerequisite: History 101-102 and History 201-202. This course will expose students to a range of problems encountered by professional historians in the utilization of primary historical sources.

HIS 314. The Negro in the United States.

3 credit hours

Prerequisite: History 201-202 or permission of instructor. A study of the history of the Negro in the United States: his African heritage, his role in the development of this country and his struggle for the

privileges and protections of citizenship, with particular emphasis on his contributions to American society.

HIS 321. Constitutional History of the United States.

3 credit hours

Prerequisite: History 201-202. An historical survey of the making of the Constitution and its interpretation through decisions of the United States Supreme Court, with some attention to the economic, political, and social forces which have influenced its development.

HIS 331. Early Modern Europe.

3 credit hours

A survey of the political, intellectual, economic and social development of Europe during 1450-1815. Major topics include the High Renaissance, overseas expansion, the Reformation, the Industrial Revolution, causes and aftermath of the French Revolution.

HIS 332. Nineteenth Century Europe.

3 credit hours

Prerequisite: History 101-102. This course deals broadly with Europe from the downfall of Napoleon (1815) to the outbreak of World War I (1914). Particular emphasis is placed upon nationalism, the struggle between revolution and reaction, industrialization, imperialism, diplomacy, and cultural and intellectual trends.

HIS 341. English History.

3 credit hours

Prerequisite: History 101-102. A survey of English history from pre-Roman times to the close of the Glorious Revolution (1689) with emphasis upon constitutional and legal developments.

HIS 342. English History.

3 credit hours

Prerequisite: History 101-102. A continuation of History 341 focusing on the growth of British democracy, the role of Britain in the rise and expansion of world imperialism during the eighteenth, nineteenth, and twentieth centuries.

HIS 361. Greece and Rome.

3 credit hours

Prerequisite: History 101-102. A survey of the ancient civilizations of Greece and Rome with emphasis on their significant political and cultural achievements.

HIS 362. Hispanic American History.

3 credit hours

Prerequisite: History 101-102; 201-202. The colonial and republican periods in Hispanic America, i.e., South America, Spanish Caribbean, and Spanish colonies within continental U.S. are surveyed with emphasis on the development of these nations during the twentieth century and their present status in the world order.

HIS 372. Medieval Culture.

3 credit hours

Prerequisite: History 101-102. A survey of European history from 500 to 1500 with a strong emphasis on cultural achievements of the period.

HIS 375. African History to 1870.

3 credit hours

Prerequisite: History 101-102. This is a survey course tracing the earliest beginnings of man in Africa, the development of sub- and trans-Saharan civilizations, the rise of West African empires, the impact of early European expansion into African territories, and the development of the slave trade.

HIS 376. African History from 1870.

3 credit hours

Prerequisite: History 101-102. This course will discuss the creations and development of European colonial empires in Africa and the subsequent rise of independent African states. Such topics as African unity, the emergence of liberation movements, the role of nonaligned African nations in world affairs; the strategies undertaken by independent African states against further economic colonialism will also be discussed.

HIS 411. The Negro in Twentieth Century America.

3 credit hours

Prerequisite: History 201-202. An in-depth study of Afro-American contributions to American culture and the struggle for full citizenship in the United States, particularly contributions to the emergence of the U.S. as a world power.

HIS 421. Southern History.

3 credit hours

Prerequisite: History 201-202. The course covers the economic, social, political, and cultural life of the southern states from colonial times to the present. It carefully examines the progress and problems of the South today.

HIS 422. Recent United States History.

3 credit hours

Prerequisite: History 201-202. A careful examination -- readings, discussions, reports, papers -- of problems associated with such topics as the Great Depression, the New Deal, war and threats to peace, significant social change, major political developments, and achievements in outer space.

HIS 424. Diplomatic History of the United States.

3 credit hours

Prerequisite: History 201-202. An in-depth survey of America's diplomatic relations with the major world powers since the founding of the Republic.

HIS 433. Twentieth Century Europe.

3 credit hours

Prerequisite: History 101-102. The course covers the history of Europe from 1914 to the present. Particular attention is given to the impact of World War I upon European civilizations, the rise of totalitarian states, World War II, the Cold War, the trends and problems of contemporary Europe. An important feature of the course will be a term paper which will enable the student to do independent research.

HIS 461. The History of East Asia.

3 credit hours

Prerequisite: History 101-102. A cultural and political survey of the history of China, Japan, and Southeast Asia with emphasis on their changing relationships with the rest of the world during the nineteenth and twentieth centuries.

Political Science

A Political Science Major will study the relationships of governments to governments, governments to people, and people to governments. Courses address problems in international politics, public opinion, American institutions, the politics of specific countries or regions, and the problems of political organization. Necessarily,

students of political science are also required to address questions of principles and values that guide political relationships. Thus, law and political philosophy are important features of study in political science.

In order to earn the B.S. degree in Political Science, a student must satisfy the following requirements:

Political Science 101

Political Science 102

Political Science 201

Political Science 211

Either Political Science 351 or 352 (Political Theory)

Either Political Science 322 or 461 (Political Process)

Either Political Science 331 or 431 (Constitutional Law)

Either Political Science 301 or 362 (Public Administration)

An additional 15 credit hours in Political Science to be selected by the student after consultation with the student's faculty advisor.

Majors in Political Science *must* earn grades of C or better in each of the 39 required credit hours in Political Science.

In order to satisfy requirements for an academic minor in Political Science, a student must earn 24 credit hours with grades of C or better in the following courses: Political Science 101, Political Science 211, Political Science 351-352, and Political Science 331. In addition, a further 9 credit hours are to be selected in consultation with the student's faculty advisor from offerings in Political Science.

Course Descriptions

POS 101. American Government.

3 credit hours

A study of the formal and informal institutions of American national government and politics: The Constitution, the Presidency, Congress, the federal court system, political parties, pressure groups, public opinion, recent foreign policy, the federal bureaucracy, voting behavior. Attention is given to current problems and issues.

POS 102. State Government.

3 credit hours

A study of the structure and function of state governments within the federal system of the United States, the state constitution, state legislature, the state executive office, state administration, state finance, state courts, state parties and politics, reconstruction of problems and issues.

POS 201. Metropolitan Government.

3 credit hours

A study of municipal government and metropolitan problems, including politics, the role of the city council, the mayor and the city manager.

POS 211. Introduction to Political Science.

3 credit hours

Prerequisite: An introduction to the study of behavior in a political context, including an analysis of behavioral concepts such as political roles, groups, power, systems and decision-making.

POS 300. Problem Seminar.

3 credit hours

Prerequisite: Political Science 101 and Political Science 211. This course will expose students to a range of specific problems encountered by professional political scientists and active government researchers.

POS 301. Comparative Government.

3 credit hours

Prerequisite: Political Science 211. An analysis of the major political systems of Europe with emphasis on Great Britain, France, the German Federal Republic and the Soviet Union.

POS 325. Judicial Process.

3 credit hours

Prerequisite: Political Science 101-102. A systematic analysis of legal, evidentiary, environmental, and personal factors that influence judicial decision-making.

POS 322. Legislative Process.

3 credit hours

Prerequisite: Political Science 101-102. A comprehensive study of legislative organization, procedure and problems governing the legislative power structure, the selection of legislators and the roles they play. The decision-making process and the relationship of the legislative branch to the executive branch is also examined.

POS 331. American Constitutional Law.

3 credit hours

Prerequisite: Political Science 101-102. An analysis of the constitutional development of separation of powers, federalism, the regulation of commerce, contracts, taxing and spending, and the state police power.

POS 341. Introduction to Public Administration.

3 credit hours

Prerequisite: Political Science 101-102, 201. An introduction to the functions and problems of public administration, emphasizing the types of government organization, lines of responsibility, personnel management, and fiscal processes.

POS 351. Early Political Theory.

3 credit hours

Prerequisite: Political Science 211. A consideration of theory of the perennial problems of political and social life. Topics include law, justice, equality, the common good, and power.

POS 352. Modern Political Theory.

3 credit hours

Prerequisite: Political Science 351. Modern political theories of nationalism, empiricism, Marxism, fascism, socialism and the welfare state with emphasis on present day theories.

POS 361. World Politics.

3 credit hours

Prerequisite: Political Science 301. An examination of the dynamics of world politics, international tension, conflict and resolution. Areas chosen for emphasis will be determined by current world problems.

POS 362. Urban Politics and Policies.

3 credit hours

Prerequisite: Political Science 201 - Metropolitan Government. Political behavior in American urban political systems with analysis of policies which affect urban life and discussion of important social/political problems which face the American central cities and their suburbs.

POS 364. Minority Politics.

3 credit hours

Prerequisite: Political Science 101, 211. An introduction to the specific protections available to minorities in the United States and how they may be implemented within the political process.

POS 431. The Constitution and Civil Liberties.

3 credit hours

Prerequisite: Political Science 101-102, 211. An examination of constitutional development: the definition of American rights in the areas of freedom of speech, press, assembly, association and religion; church-state relations; racial discrimination; political radicalism and subversion; procedures in criminal prosecutions; military tribunals. Recommended for the prospective law student.

POS 441. Administrative Case Study.

3 credit hours

Prerequisite: Political Science 322, 341. Case studies of selected problems in the administrative process. This course offers the student an opportunity for presenting and defending individual judgements.

POS 442. Public Personnel Administration.

3 credit hours

Prerequisite: Political Science 341. A study of public personnel administration, including the development of merit civil service, the personnel agency; classification, recruitment; examination techniques; employee relations and morale; promotion, service rating; training, discipline, tenure; transfer and retirement.

POS 446. American Political Executives.

3 credit hours

Prerequisite: Political Science 101-102, 201, 211, 331. An analytical examination of the powers, duties, and functions of American political executives in national, state, and local governments. Primary emphasis will be on the president and the evaluation of his office.

POS 461. American Politics.

3 credit hours

Prerequisite: Political Science 101-102. This course is an advanced political science course which addresses the American political heritage. Specific emphasis is placed on the Constitution, political behavior and electoral systems. The functioning of the major branches of government, civil rights, American federalism and state and local governmental institutions are discussed and analyzed.

POS 462. Politics of Developing Nations.

3 credit hours

Prerequisite: Political Science 211. A comparative analysis of political culture, processes and problems of selected nations, the majority of which have become independent since World War II.

POS 470. International Organization.

3 credit hours

Prerequisite: Political Science 301. An examination of the social and economic factors leading to the establishment of international organizations. Conflicting interests in achieving world peace on the

international level are studied. The emphasis of this course is on the background and role of the United Nations today.

POS 291-391-491. Internship.

9-12 credit hours each

Three Cooperative Education on-the-job work experience periods -- semesters or summers -- to supplement the classroom academic program.

POS 495. Directed Study in Political Science.

3 credit hours

Prerequisite: Permission of instructor. Course content, instructional approach and student assignments are tailored to specific needs. Students are afforded the opportunity to pursue a specific area of interest under the guidance of an instructor. Offer as needed.

Afro-American Studies Program

The Afro-American Studies Program is an interdisciplinary program administered by the faculties of History and Political Science. Kentucky State University is committed to continued scholarship, inquiry and education in the area of Afro-American history and culture. By drawing upon the resources of faculty in a broad range of related studies, it is hoped that students completing this program will have an understanding of the Afro-American experience from a variety of perspectives, qualifying them for continued study on the graduate level, teaching at the elementary and secondary level, and for other employment requiring such knowledge.

Requirements: Students seeking admission to this program must have a minimum overall average of 2.0 and must successfully complete 18 semester hours in order to claim the minor.

Course Descriptions

ART 303. Afro-American Art History.

3 credit hours

A course designed to reveal contributions and accomplishments of Afro-American artists and the influence of early African art on art of the world.

ENG 409. Literature of the American Negro.

3 credit hours

Prerequisite: English 211. A consideration of some of the principal essays, poems, plays, short stories and novels written by American Negroes from Phyllis Wheatley to James Baldwin.

HIS 314. The Negro in the United States.

3 credit hours

Prerequisite: History 201-202 or permission of instructor. A study of the history of the Negro in the United States; his African heritage, his role in the development of the country, his struggle for the privileges and immunities of citizenship with particular emphasis on his contributions to American society.

HIS 375-376. African History to 1870; African History from 1870.

3 credit hours each

Prerequisite: History 101-102. Discusses the development of European colonial empires in Africa and the subsequent rise of independent African states. Topics include African unity, the emergence of liberation movements, the role of nonaligned African nations in world affairs and the efforts by independent African states to counter further economic and cultural colonialism.

HIS 411. The Negro in Twentieth Century America.

3 credit hours

Prerequisite: History 201-202. An in-depth study of Afro-American contributions to American culture; struggles for full citizenship in the United States particularly in the context of emergence of the United States as a world power in the 20th century.

MUS 323. Afro-American Music.

3 credit hours

Prerequisite: Music 130. A study of music literature of the Afro-American. Includes lectures, discussions, reading and listening assignments; a survey of musical expression including spirituals, blues, jazz, symphonic literature and popular music.

POS 364. Minority Politics.

3 credit hours

Prerequisite: Political Science 101, 211. An introduction to the specific protections available to minorities in the United States and how they may be implemented within the political process.

POS 462. Politics of Developing Nations.

3 credit hours

Prerequisite: Political Science 211. A comparative analysis of the political culture, processes and problems of selected nations, the majority of which have gained independence since World War II.

SOC 212. Geography of Africa: Sub-Sahara Region.

3 credit hours

Prerequisite: Sociology 102. This course will survey the African continent as a whole: its historical and physical backgrounds, climates, soils, vegetation, peoples, cultures and current developments. The latter half will focus on specific countries with emphasis on Sub-Sahara regions.

Psychology

As a science, psychology concerns itself with theory and research designed to increase understanding of human behavior. Psychologists also examine the cognitive, social, and experiential structures and processes that underlie the development of such behavior.

As a profession, psychology involves the application of knowledge and skills to prevent, assess, or solve individual and social problems. The study of psychology is a useful preparation for careers in law, medicine, social work, journalism, and many other fields. Students are encouraged to consider further graduate study in psychology upon completion of the undergraduate degree program offered at Kentucky State.

In order to earn the B.A. degree in Psychology, a student must satisfy the following requirements:

Psychology 200, 203, 300, 304, 405, and 406. In addition, at least one course must be chosen from each of the following discipline areas:

Either Psychology 401 or 404 (Individual Differences)

Either Psychology 303 or 307 (Behavioral Psychology)

Finally, majors in Psychology are required to take Education 221 (Developmental Psychology).

A further 9 credit hours must be selected from either the remaining courses cited above or from the following courses in Psychology: Psychology 301, 302, 402, Education 301, 306, 500, and Sociology 310, 401. As many as 6 credit hours in the Cooperative Education Program may be counted toward satisfaction of the 9 credit hours of electives in Psychology. Majors in Psychology are required to complete an academic minor in another field of study. Students are encouraged to emphasize coursework in History, English, or one of the several natural or other social sciences.

In order to satisfy requirements for an academic minor in Psychology, a student must earn 18 credit hours of coursework in Psychology, including Psychology 200. The additional 15 credit hours may be selected from any additional offerings in the discipline.

Majors in Psychology must earn grades of C or better in each Psychology course taken to satisfy departmental major requirements.

Course Descriptions

PSY 200. General Psychology. 3 credit hours

A first course in human behavior. Among the topics covered are heredity and environment, development of the individual, motivation, emotion, the senses, perception, and personality. Special attention is given to the learning process.

PSY 203. Statistics. 3 credit hours

Prerequisite: Psychology 200 (cross-listed as Sociology 306). An introduction to the use and computation of descriptive and inferential statistics, including graphic and tabular presentation of data, sampling procedures, measures of central tendency, deviance and basic hypothesis testing. *Required for majors.*

PSY 300. Research Design. 3 credit hours

Prerequisite: Psychology 203. An introduction to basic experimental design and approved forms of research reporting. Advanced statistics will also be covered, including analysis of variance and chi square, correlation and regression. *Required for majors.*

PSY 301. Philosophy and Psychology. 3 credit hours

Prerequisite: Psychology 200. An exploration into the philosophy of psychology, including study of the works of Laing, Skinner, Rogers, Piaget, and others.

PSY 302. Perception and Cognition. 3 credit hours

Prerequisite: Psychology 200. An intensive study of the cognitive and perceiving functions of the human mind, including the cognitive studies of Piaget and others.

PSY 304. Experimental Psychology. 3 credit hours

Prerequisite: Psychology 200. An introduction to laboratory procedures and the use of experimental subjects to study classical and operant conditioning, motivation, shaping, and superstitious behavior. A laboratory course.

PSY 305. Physiological Psychology. 3 credit hours

Prerequisite: 200. The study of the neurophysiological bases of behavior, with emphasis on neuronanatomy and the physiology of learning, motivation, emotion, and sensation.

PSY 307. Learning and Motivation. 3 credit hours

Prerequisite: Psychology 200. The scientific investigation of the learning process, including empirical laws and their derivation from research on humans and animals and the study of the variables that energize and direct behavior.

PSY 400. Abnormal Psychology. 3 credit hours

Prerequisite: Psychology 200. A study of the nature and concept of abnormality; problems and schemes of classification; and the theories, symptoms, etiology, and treatment of deviant behavior.

PSY 401. Psychology of Personality. 3 credit hours

Prerequisite: Psychology 200. This course deals with the dynamics and determinants of personality development in conjunction with a description of personality theory, the biological basis of motivation, attitudes and values; also includes discussion of social, economic, and educational factors involved.

PSY 402. Industrial Psychology. 3 credit hours

Prerequisite: Psychology 200. Application of general principles of

psychology to the industrial setting with emphasis on job analysis; worker analysis; work fatigue accidents; human engineering; moral-interpersonal relationships; worker effectiveness; the interview, psychological tests and rating scales in the selection process, classification, and promotion; merit ratings, and employee counseling.

PSY 404. Psychological Assessment.

3 credit hours

Prerequisite: Psychology 200. A survey course of the broad categories into which psychological assessment instruments and techniques can be divided and the major advantages and limitations of each. A study of the principal resource materials for identifying, locating, and evaluating existing assessment instruments and techniques. Considerations of the fundamental features of the following major tests, inventories, and techniques: Stanford-Binet, Wechsler Adult Intelligence Scale, Wechsler Intelligence Scale for Children, Kuder, Strong, MMPI, Rorschach, and Thematic Apperception Test.

PSY 405. Seminar in Psychology I.

3 credit hours

Prerequisites: Psychology 203 and Psychology 300. A specific area of psychology will be studied based on current trends and student needs. The course will involve presentation and evaluation of current publications in psychology, including analysis of design methods and relevancy.

PSY 406. Seminar in Psychology II.

3 credit hours

Prerequisite: Psychology 405. A continuation of Psychology 405 with a different area of psychology studied intensively. A comprehensive independent paper is required.

Sociology

Sociology examines such aspects of human life as friendship groups and families, the organization of communities and institutions, and the study of entire societies in order to understand how they function and how they influence the behavior of individual members. Social forms are the product of individual behavior and activity, but their existence is powerfully influential, creating patterns of deviance and conformity. Coursework in Sociology at Kentucky State University is intended to provide students with the tools to analyze social systems of all types. Those tools include conceptual skills of theory construction, methodological skills of data gathering, and analysis. In addition, students acquire substantive knowledge of existing social forms. Instruction also emphasizes problems of stratification and political behavior, and students are encouraged to elect coursework in related fields of study.

In order to earn the B.A. degree in Sociology, a student must satisfy the following requirements:

Prerequisites are Sociology 102, 201, and 202.

Requirements are Sociology 204, 205, 305, 306,

308, 405, and 6 additional upper-level credits in Sociology selected by the student. Sociology 303 and 431 are strongly recommended. Sociology 406 is strongly recommended for students who desire to attend graduate school.

In order to satisfy requirements for an academic minor in Sociology, a student must meet the following requirements:

Prerequisites are Sociology 102, 201, and 202.

Requirements are Sociology 204 and 205 and 12 additional upper-level credits in Sociology selected by the student, providing that prerequisites are met for each course selected.

A teacher education student who wishes to pursue a teaching minor in Sociology must consult with his or her advisor and select 21 hours of sociology courses.

Course Descriptions

SOC 102. Principles of Geography.

3 credit hours

This course represents the basic principles underlying the science of geography and the human use of resources: the earth's form and movement, climate, topography, oceans and other waters, solids, vegetables and minerals. It is a prerequisite for majors, minors, and other students in the social science area of concentration. It is a prerequisite to Sociology 211 and 212 for majors, minors and other students.

SOC 201-202. An Introduction to the Social Sciences.

3 credit hours each

A survey course of the major social sciences. The aim is to introduce students to branches of knowledge brought about by the scientific method of inquiry. This course is a prerequisite for all majors, minors, and other students in the social science area of concentration, and electives above Sociology 201-202.

SOC 204-205. Introduction to Sociology.

3 credit hours each

Prerequisites: Sociology 201 and 202. This course is required for all majors, minors, the social sciences area of concentration, and electives above Sociology 204-205. It is a prerequisite for all other upper-level sociology courses. The approach is conceptual; the aim is to give precision and scientific references to qualitative thinking.

SOC 211. Regional Geography of North America.

3 credit hours

Prerequisite: Sociology 102. A regional study of North America with an added unit on Hawaii. Emphases are placed upon the natural resources and economic activities of inhabitants. Required for the social sciences area of concentration.

SOC 212. Geography of Africa: Sub-Sahara Regions

3 credit hours

Prerequisites: Sociology 102. The first portion surveys the African continent as a whole -- its historical and physical backgrounds.

climates, soils, vegetation, peoples, cultures and current developments. The second portion is descriptive of specific countries, with emphasis upon Sub-Sahara regions.

SOC 214. Geography of Kentucky.

3 credit hours

Prerequisites: Sociology 102 and Sociology 201-202. Focuses primarily upon the geographic aspects of the state of Kentucky but also includes its relationship to the surrounding areas.

SOC 301. Medical Sociology.

3 credit hours

Prerequisites: Sociology 204-205. The study of social and cultural factors as they pertain to health, illness, and individuals' attitudes toward the same. An analysis of the social structure of a hospital and other medical facilities, as well as their impact upon the person.

SOC 303. Cultural Anthropology.

3 credit hours

Prerequisites: Sociology 204-205. Designed to acquaint the student with the basic processes in the behavior of man defined by time and place, to point out the main relationships between culture and personality, and to survey the factual research on unique sub-cultures of man.

SOC 304. Minority Groups.

3 credit hours

Prerequisites: History 101-102 and Sociology 204-205. The latter prerequisite may be taken concurrently. The primary aim is to present objective analyses of ethnic groups. The units covered are designed to sharpen the meaning of minorities, cultural differences, attitudes and values.

SOC 305. Contemporary Social Problems.

3 credit hours

Prerequisites: Sociology 204-205. The latter may be taken concurrently. This is a course in critical thinking applied to social problems and the impact of dislocations among social forces. Required for majors and the social sciences area of concentration.

SOC 306. Introductory Social Statistics.

3 credit hours

Prerequisites: A background in general mathematics and Sociology 101. This course introduces the theory, logic, and use of qualitative and quantitative social statistics as methods of analyzing and refining raw sociological data. Required for majors in sociology and for entrance to graduate school. Lecture and laboratory with assistance from Computer Science.

SOC 308. Methods of Social Research I.

3 credit hours

Prerequisite: Sociology 306. The prerequisite may be taken concurrently. This course provides theoretical and practical training in social research methods. Emphases are placed on the study of the roles and tasks of social researchers; construction of data-gathering forms; techniques of data collecting, including interviewing, observation, and use of schedules and questionnaires; and procedures in analysis and interpretation. Required for majors in sociology and for entrance to graduate school.

SOC 310. Group Dynamics.

3 credit hours

Prerequisites: Sociology 204-205. This course focuses on theory and skill sessions. Goals are variation of learning related to increased self

awareness; uncovering conditions that inhibit and facilitate group interaction. Open by consent of the professor primarily to majors, minors, and students in the social sciences area of concentration.

SOC 312. The Sociology of Poverty.

3 credit hours

Prerequisites: Sociology 204-205 and 305. This course investigates the socio-cultural factors that contribute to poverty and deprivation in rural and urban settings. It analyzes the processes by which social differentiation tends to produce social categories and groups defined as poverty-stricken.

SOC 331. Rural Sociology.

3 credit hours

Prerequisites: Sociology 204-205. The latter prerequisite may be taken concurrently. This course introduces the student to the theories, principles, and practices of rural societies.

SOC 342. Deviance.

3 credit hours

Prerequisite: Sociology 305, with Education 433 and 434 strongly recommended. Open to advanced students only. The course is a seminar with degrees of off-campus working-learning-earning cooperative education experiences in which advanced students develop units independently and defend same.

SOC 343. Juvenile Delinquency.

3 credit hours

Prerequisites: Sociology 204-205. This prerequisite may be taken concurrently. Emphasis is placed upon causes of delinquency as revealed through personal, family, and community-situation conditioning. Critical evaluations are made about current methods of dealing with juvenile offenders.

SOC 350. Urban Sociology.

3 credit hours

Prerequisites: Sociology 204-205. The latter prerequisite may be taken concurrently. This course critically examines the social processes, cogent data of a complex array of peoples, the emergence of leadership, the structure of authority, and the differentiations between and among urban institutions.

SOC 400. Honors Seminar.

3 credit hours

This course is planned to challenge the intellectual energies of professorial, honor roll, and other strong students in concerted ways to afford organized outlets for higher scholarly endeavors. Student and professorial teams coordinate the input-output scheme with critical evaluations by all.

SOC 401. Social Psychology.

3 credit hours

Prerequisites: Psychology 200 and Sociology 204-205. In rare cases selected students may be admitted after satisfying only the Psychology 200 prerequisite. This course studies the individual in the group through transactional analysis. The major content covers the socio-psychological functions of language and of variations among human beings and their personalities. *Required for majors in Sociology.*

SOC 405. Sociological Theory I.

3 credit hours

Prerequisites: Sociology 204-205, 308. Open to seniors. Identified with systematic sociology, this course is a didactic student-centered exchange in which advanced students demonstrate their verbal and written

competence in relating to and comparing and contrasting major theories from Comte to Parsons.

SOC 406: Contemporary Theory.
3 credit hours

Prerequisites: Sociology 405. Open to seniors only. This course focuses upon contemporary sociological theories. It deals in depth with theories pertaining to social phenomena. This course creates a setting for analytical thinking, evaluation, and questioning of contemporary sociological theories and their manifestations.

SOC 423. Criminology.
3 credit hours

Prerequisites: Sociology 204-205. The latter prerequisite may be taken concurrently. This is a study of the general research on criminology from the classical schools to the present, with special units on the professional criminal and "white collar" crime.

SOC 424. Advanced Social Statistics.
3 credit hours

Prerequisites: Sociology 204-205 and Sociology 306. The utilization of measuring techniques, including the application of parametric and nonparametric statistical analysis of sociological data, are covered.

SOC 425. Methods of Sociological Research II.
3 credit hours

Prerequisites: Sociology 204-205 and Sociology 308. An advanced course in social research, focusing upon the practice of research, problems of observation and data collection, the use of computers and the writing of research proposals.

SOC 426. Sociological Theory II.
3 credit hours

Prerequisites: Sociology 204-205 and Sociology 405. This study of contemporary sociological theories, including the relationship between theory development and methodology.

SOC 427. Introduction to General Systems.
3 credit hours

Prerequisites: Sociology 405. The analysis of social systems, i.e., systems science, systems technology and systems philosophy from the perspective that "reality" is a hierarchy of organized wholes. "Social science in the science of several systems" is the secondary motif.

SOC 431. Social Change.
3 credit hours

Prerequisites: Sociology 204-205, plus 9 more credits earned in upper-level sociology. Strongly recommended. Open to seniors only. This course is in the form of an arena in which advanced students must develop units independently and present a defense of same. It opens the entire spectrum of sociology for students to select from in their competition for excellence.

SOC 490-491-492. Sociological Practicum (Cooperative Education).
Credit arranged, not to exceed 6 hours.

These offerings are in the form of off-campus working-learning-earning experiences for selected students under professional supervision coordinated and evaluated by the University and the employer.

Social Studies: Teacher Education

Students may satisfy requirements for teacher certification on the secondary level in Social Studies by taking the following prescribed courses and electives as indicated:

Liberal Studies Requirements

English 101, 102: English Composition	6
Mathematics 110 or above	3
History 103: Survey of Civilization	3
Biology 112: Explor. of Modern Topics	3
Art or Music 130	3
Speech 103: Interpersonal Communication	3
Physical Science 201: Introduction to Physical Science	3
English 211: Introduction to Literature	3
Psychology 200: General Psychology	3
Foreign or Computer Language	6
Integrative Studies 200, 201, 300 and 301 or 400	12
Political Science 201: Metropolitan Government	3
HED 221: Health and Safety Education	2
	<hr/> 53

Specialization in Social Studies

Economics 211 and 212: Principles of Economics	6
History 201 and 202: United States History	6
History 331 or substitute: Early Modern Europe	3
History Elective: upper level	3
Political Science 101 or substitute: American Govt.	3
Political Science 102 or substitute: State Government	3
Sociology 102: Principles of Geography	3
Sociology 201 and 202: Introduction to Social Science	6
Sociology 204 and 205: Introduction to Sociology	6
Sociology 303: Cultural Anthropology	3
Sociology 305: Contemporary Social Problems	3
Sociology Elective: upper level	3
	<hr/> 48

Professional Education Courses

Education 221: Human Development	3
Education 294: Introduction to Teaching	2
Education 301: Educational Psychology	3
Education 310: Introduction to Exceptional Education	3
Education 394: Clinical Experiences in Teaching	4
Education 410: Methods of Teaching Social Science	3
Education 452: Fundamentals and Administration of Secondary Education	3
Education 494: Student Teaching	12
	<hr/> 33
	135

Division of Fine Arts

The arts cannot thrive except where men are free to be themselves and to be in charge of the discipline of their own energies and ardors. The conditions for democracy and for art are one and the same. What we call liberty in politics results in freedom of the arts. There can be no vitality in the works unless there exists the right of spontaneous life in the society in which the arts are nourished.

Franklin D. Roosevelt, on the dedication of the Museum of Modern Art, New York, May 10, 1939

The Fine Arts Division provides instruction in Art, Music, Speech and Theatre. The Arts broaden and expand human potential; they document the human instinct of expression, and yield not simply pleasure but occasion for critical reflection upon human experience. Through concerts, theatre productions, art exhibitions, lectures and workshops, the Division of Fine Arts enriches the quality of University life in ways which diversely complement the academic programs of the University at large. Coursework in the various degree programs of the Division prepares its majors for a variety of arts professions and related fields, and for entrance into graduate school. Students majoring in an area within the Fine Arts have considerable flexibility in career choices.

The Fine Arts faculty is dedicated to the growth and development of each of its students. Faculty members in the Division are not only teachers, they are active practitioners of the Arts. Whether students are interested in pursuing professional careers in the Arts or whether they seek the benefits of increased awareness of and sensitivity to the Arts, the Fine Arts Division seeks to fulfill those needs.

Art

Courses in Art are designed to serve both those students who are seriously interested in art as a profession and those who are primarily interested in obtaining knowledge of various art forms or seeking opportunities for creative expression. Course offerings include drawing, painting, printmaking, photography,

commercial arts, design, sculpture, ceramics, weaving, interior design, and art history. A program in Art Education is also offered.

Enrollment in studio courses is generally limited to 10-15 students. Each student benefits from personal guidance and instruction. Some studio spaces are available to students who require individual working areas.

Studio and academic opportunities are enhanced for art majors by field trips to galleries and museums and by a series of guest lecturers brought to the University.

Major Programs

Four curricular options leading to the B.S. degree are available.

Teaching Area in Arts is for students who want to be certified on both the elementary and secondary levels. This program consists of 48 hours of studio and art history courses, 39 hours of professional education courses, and the Liberal Studies Requirements. A minor is not required.

Teaching Major in Art is for students who want to be certified to teach on the secondary level. This program consists of 48 hours of art and art history, 33 hours of professional education courses, and the Liberal Studies Requirements. A minor is not required.

Studio Art Area of Concentration is for students who want a broad preparation in art. Students interested in doing graduate work in art should pursue this option. This program consists of 70 hours of studio and art history courses, 6 hours of general electives, and the Liberal Studies Requirements.

Studio Major in Art is for students who want a liberal arts education with an emphasis in the visual arts. This program consists of 49 hours of studio and art history courses, a 21-hour minor, 6 hours of general electives, and the Liberal Studies Requirements. A minor is required.

Minor Program

A nonteaching minor that consists of 21 hours of course requirements -- Art 110, 112, 113, 201, 202, and 6 hours of studio art electives -- is offered by Kentucky State.

Program Regulations

Student Advisement. Each Art major will be assigned an advisor from the Art faculty. For decisions about curricula and departmental matters, the student is required to maintain close consultation with this advisor.

Course Sequence. Art majors are required to take Art courses in prescribed sequences. Many courses are prerequisite to others. To deviate from a sequence, a student must obtain permission from the Coordinator of the Art Area.

Selection of Curriculum. A student wishing to major in Art should declare no later than the second semester of the freshman year a choice of curriculum: Art Education or Studio Art. The declaration must be made prior to preregistration for sophomore courses.

Studio Art Area Majors. Students who wish to pursue a Studio Art Curriculum must select a major emphasis and a minor emphasis. A major emphasis consists of at least 12 hours of upper-level courses in a specific art area, and a minor emphasis consists of 9 hours. Major and minor emphases may be selected in the following area: art history, ceramics, drawing, painting, photography, printmaking, sculpture, or weaving.

Studio Art Courses. Six hours of class work and a minimum of 3 hours of work outside class is required for each studio art course.

Art Education Majors. In addition to meeting Art Program requirements, Art Education majors are responsible for complying with the requirements for admission to the Teacher Education Program and to the Supervised Teaching Program outlined in this catalogue under the Department of Education.

Art Exhibitions. All Art majors are expected to attend the opening of each exhibit on campus sponsored by the Art Area.

Sophomore Review. While enrolled in the fourth semester of the Art curriculum each student must present examples of his or her art work from each of the studio art areas to be reviewed by members of the Art faculty. After review the Art faculty will advise the student whether upper division courses should be taken.

Senior Review and Exhibit. Each Art major's work will be reviewed during the senior year by a committee of the Art faculty to ascertain whether the work is of sufficient quality to warrant a public exhibit. If a student's work does not pass the review, it must be resubmitted at a later

date. Art majors are required to have a public, on-campus exhibit of their art work prior to graduation.

Art Graduates. Each student graduating with either a Major or an Area of Concentration in Art will be asked to donate a piece of art work to the permanent collection of the University.

Curricula Options

I. Curriculum for a Teaching Area in Art - Elementary and Secondary Certification

Major Requirements 48 credit hours

A. Studio Courses 39 credit hours

ART 107: Photography	3
ART 110: Basic Drawing I	3
ART 111: Basic Drawing II	3
ART 112: Two-dimensional Design	3
ART 113: Three-dimensional Design	3
ART 215: Sculpture	3
ART 217: Printmaking	3
ART 220: Basic Painting	3
ART 240: Ceramics	3
ART 245: Weaving	3
ART Studio Elective	3
ART Major Studio Emphasis	6

B. History Requirements 9 credit hours

ART 160: Art Symposium	3
ART 201: Art History Survey	3
ART 202: Art History Survey	3

Professional Component 39 credit hours

EDU 294: Introduction to Teaching	2
EDU 221: Human Growth: Dev. Psychology	3
EDU 301: Educational Psychology	3
EDU 305: Fund. & Admin. of Elementary Ed.	3
EDU 310: Introduction to Exceptional Ed.	3
ART 319: Elementary School Art	3
EDU 394: Clinical Experiences in Teaching	4
EDU 452: Fund. & Admin. of Secondary Ed.	3
EDU 419: Secondary School Art	3
EDU 494: Supervised Teaching: Elementary	6
EDU 494: Supervised Teaching: Secondary	6

II. Curriculum for a Teaching Major - Secondary Certification

The course requirements are the same as those listed above for the Curriculum for a Teaching Area in Art, except that Education 305 and Art 319 are not required. Supervised teaching is done for a full semester on the secondary level.

Note: Art Education Majors must also comply with the requirements for admission to the Teacher Education Program and to the Supervised Teaching Program as outlined in this catalogue under the Department of Education.

III. Curriculum for an Area of Concentration in Studio Art

- | | |
|--|------------------------|
| A. Studio Requirements | 54 credit hours |
| ART 110: Basic Drawing I | 3 |
| ART 111: Basic Drawing II | 3 |
| ART 112: Two-dimensional Design | 3 |
| ART 113: Three-dimensional Design | 3 |
| Studio Art Electives | 21 |
| To be selected from Art 105: Commercial Art; Art 107: Photography; Art 215: Sculpture; Art 217: Printmaking; Art 220: Painting; Art 240: Ceramics; Art 245: Weaving; and Art 310: Drawing III. | |
| Major Emphasis | 12 |
| Minor Emphasis | 9 |
| Major and minor emphases may be in art history, ceramics, drawing, painting, photography, printmaking, sculpture, or weaving. | |
| B. Art History Requirements | 16 credit hours |
| ART 160: Symposium | 4 |
| ART 201: Art History Survey | 3 |
| ART 202: Art History Survey | 3 |
| Art History Electives | 6 |
| C. Electives | 6 credit hours |

IV. Curriculum for a Major in Art

- | | |
|---|------------------------|
| A. Studio Requirements | 36 credit hours |
| ART 110: Basic Drawing I | 3 |
| ART 111: Basic Drawing II | 3 |
| ART 112: Two-dimensional Design | 3 |
| ART 113: Three-dimensional Design | 3 |
| Studio Art Electives | 15 |
| To be selected from Art 105: Commercial Art; Art 107: Photography; Art 214: Sculpture; Art 217: Printmaking; Art 220: Painting; Art 240: Ceramics; and Art 245: Weaving | |
| Major Emphasis | 9 |
| Major emphasis may be in art history, ceramics, drawing, painting, photography, printmaking, sculpture or weaving. | |
| B. Art History Requirements | 13 credit hours |
| ART 160: Art Symposium | 4 |
| ART 201: Art History Survey | 3 |
| ART 202: Art History Survey | 3 |
| Art History Elective | 3 |
| C. Electives | 6 credit hours |
| D. Minor | 21 credit hours |

Course Descriptions

ART 101: Public School Arts and Crafts I. 3 credit hours

A course dealing with all aspects of teaching art in elementary school: philosophies, methods, procedures, materials and evaluations. Personal investigation of diversified art activities dealing with two-dimensional materials is stressed. Six hours per week.

ART 102: Introduction to Arts and Crafts. 3 credit hours

An introductory course in arts and crafts for nonart majors. A wide range of art media and processes will be explored and basic concepts and vocabulary of art will be introduced. Three hours per week.

ART 103: Interior Design. 1 credit hour

An introductory course to basic concepts, principles, and techniques of interior design. Each time this course is offered, different topics relative to interior design will be covered, and a student may keep taking the course until ten credits are earned. Two hours per week.

ART 104: Studio Arts. 1 credit hour

This course is designed to introduce basic concepts and techniques of a specific art medium. Each time the course is offered a different medium will be explored, and a student may take the course as often as it is offered. Two hours per week.

ART 105: Commercial Art I.

3 credit hours

Prerequisites: Art 110 and 112. An introductory course to basic concepts and skills of commercial art. Six hours per week.

ART 107: Photography I.

3 credit hours

An introductory course in the taking, developing, and printing of black-and-white photographs. Emphasis will be on the development of basic compositional and technical competencies and the acquiring of a historical knowledge of photography. Students must provide their own cameras. Six hours per week.

ART 110: Basic Drawing I.

3 credit hours

An introductory course with emphasis on developing visual acuity and fundamental drawing skills. Methods and materials relating to two-dimensional representation are investigated. Six hours per week.

ART 111: Basic Drawing II.

3 credit hours

Prerequisite: Art 110. A continuation and expansion of activities in Art 110 to include drawing from life in varied media. Emphasis will be placed on the rendering of the human form via contour, gesture, value, and weight drawing. Six hours per week.

ART 112: Two-dimensional Design.

3 credit hours

An introduction to basic design elements and principles. Activities will deal mostly with the two-dimensional realm and will include the investigation of line, shape, value, color, and texture. Six hours per week.

ART 113: Three-dimensional Design.

3 credit hours

Prerequisite: Art 112. A continuation of Art 112 as it relates to the three-dimensional realm. Six hours per week.

ART 130: Introduction to Art.

3 credit hours

This is a basic course that examines the nature of visual art experiences, the formal and expressive characteristic of art, significant historical concepts and movements, and the relevance of art to one's life. Three hours per week.

ART 160: Art Symposium.

1 credit hour

A course designed to acquaint students with concepts, media, and methods of the arts via discussions, guest speakers, multi-media presentations, and demonstrations. May be repeated five times. One hour per week.

ART 201: Art History Survey.

3 credit hours

A survey lecture course designed to expose the student to the history of art from prehistoric time through the Middle Ages. Three hours per week.

ART 202: Art History Survey.

3 credit hours

Prerequisite: Art 201. A continuation of Art 201 from the Renaissance through the Modern Period. Three hours per week.

ART 205: Commercial Art II.

3 credit hours

Prerequisite: Art 105. A continuation of the development of concepts and skills introduced in Art 105: Commercial Art I with an emphasis on comprehensive layout and illustration techniques. Six hours per week.

ART 207: Photography II.

3 credit hours

Prerequisite: Art 107 or approval of instructor. A continuation of the development of skills and aesthetic understanding began in Photography I. Intermediate problems in the making, printing and critique of black-and-white photos is covered as well as the use of different chemicals, films and paper. Special techniques such as multiple printing, solarization and toning will be introduced. Six hours per week.

ART 215: Sculpture I.

3 credit hours

Prerequisites: Art 111 and 113. An introduction to the basic constructive processes of sculpture utilizing plaster, wire, wood and other related materials. Six hours per week.

ART 217: Printmaking I.

3 credit hours

Prerequisites: Art 111 and 112. An introduction to the basic processes and materials of printmaking including monoprint, calligraphy, woodcut, serigraphy, and etching. Six hours per week.

ART 220: Basic Painting I.

3 credit hours

Prerequisites: Art 111 and 112. An introduction to the basic processes and materials of painting. Emphasis is placed on compositional factors. Six hours per week.

ART 221: Basic Painting II.

3 credit hours

Prerequisite: Art 220. A continuation of Art 220 with emphasis on exploration of media and the expression of individual concepts. Six hours per week.

ART 240: Ceramics I.

3 credit hours

Prerequisites: Art 111 and 113. An introduction to the basic processes and materials of ceramics. Emphasis is placed on handbuilding processes and principles of glazing and firing. Six hours per week.

ART 245: Weaving I.

3 credit hours

Prerequisite: Art 111 and 113. Exploration of both loom and finger-control weaving processes and an introduction to macrame, crochet, and wrapping. Six hours per week.

ART 300: Twentieth Century Art History.

3 credit hours

A study of European and American art forms of the twentieth century. Three hours per week.

ART 302: Contemporary Art History.

3 credit hours

Examination of the directions of the visual arts since 1955. Three hours per week.

ART 303: Afro-American Art History.

3 credit hours

A course designed to reveal contributions and accomplishments of Afro-American artists and the influence of early African art on art of the world. Three hours per week.

ART 304: Directions in American Art.

3 credit hours

An examination of major directions in American art of the nineteenth and twentieth centuries. Topics on Black art, women's art and folk art will be pursued as well as mainstream developments. Three hours per week.

ART 310: Drawing III.

3 credit hours

Prerequisites: Art 111 and 112. An investigative approach on both the figurative and abstract levels. Personal visual expressions are encouraged. Six hours per week.

ART 315: Sculpture II.

3 credit hours

Prerequisite: Art 215. An introduction to the basic subtractive processes of sculpture utilizing wood, stone and other related materials. Six hours per week.

ART 317: Printmaking II.

3 credit hours

Prerequisite: Art 217. A continuation of processes introduced in Art 217 dealing with serigraphy and etching. Basic lithographic processes are also introduced. Six hours per week.

ART 319: Elementary School Art.

3 credit hours

A combination lecture-laboratory course dealing with all aspects of teaching art in the elementary school. This course is designed for art education majors. Six hours per week.

ART 320: Painting III.

3 credit hours

Prerequisite: Art 221. The expression of individual concepts in painting is encouraged. The appropriateness of materials to specific visual statements is studied. Six hours per week.

ART 340: Ceramics II.

3 credit hours

Prerequisite: Art 240. Basic techniques of throwing on a potter's wheel and further study of clay bodies, glazing and firing principles will be investigated. Six hours per week.

ART 345: Weaving II.

3 credit hours

Prerequisite: Art 245. A continuation of activities introduced in Art 245 Weaving I with an emphasis on draft weaving. Six hours per week.

ART 419: Secondary School Art.

3 credit hours

Prerequisite: Art 319. A course similar to Art 319 with emphasis on teaching art on the junior and senior high school levels. Designed specifically for art education majors. Cannot be used as general education. Six hours per week.

ART 430-450: Problems in Art.

3 credit hours

These courses are designed to provide students advanced, individualized

instruction in the following art areas: art, history, drawing, ceramics, commercial art, painting, photography, printmaking, sculpture, and weaving. Three problems courses may be taken in each of these areas. To be admitted to a problems course a student must have completed all other courses offered in that specific area except art history. Six hours per week.

430: Problems in Drawing I	442: Problems in Sculpture I
431: Problems in Drawing II	443: Problems in Sculpture II
432: Problems in Drawing III	444: Problems in Sculpture III
433: Problems in Painting I	445: Problems in Weaving I
434: Problems in Painting II	446: Problems in Weaving II
435: Problems in Painting III	447: Problems in Weaving III
436: Problems in Printmaking I	448: Problems in Art History I
437: Problems in Printmaking II	449: Problems in Art History II
438: Problems in Printmaking III	450: Problems in Art History III
439: Problems in Ceramics I	451: Problems in Photography I
440: Problems in Ceramics II	452: Problems in Photography II
441: Problems in Ceramics III	453: Problems in Photography III

Speech and Theatre

Effective communication is a primary skill in both transferring and acquiring knowledge. An academic minor is offered in the Area of Speech, Communication, and Theatre. Poise, clarity of presentation and self-assurance are among the instructional goals of the program.

An academic minor program in Speech and Theatre consists of 24 hours of coursework in the areas of Speech, Theatre and/or Communications. Any combination is acceptable, but 24 hours must be completed from among the courses described herein, with one exception: All minors must complete Speech 103 and 200 before taking other Speech area offerings. Students wishing to minor in Speech and Theatre should register with the Speech and Theatre Area prior to taking any courses in this area. *Please note: Some upper-division courses are offered only every two years.*

Speech

Course Descriptions

SPE 103: Interpersonal Communication.

3 credit hours

Deals with the intrapersonal and interpersonal aspects of human communication through examination of the verbal, the vocal and the nonverbal types of communication. Attention is given to conflict resolution, interviewing techniques and other oral communication situations and problems. Considerable class exercises in each of these are provided.

SPE 200: Public Speaking.

3 credit hours

Prerequisite: Speech 103. This course deals with public speaking

theory and technique. It covers all types of formal and informal speaking situations — emphasis is given to the impromptu, the extemporaneous, and the written speech. All students make speeches in class and write evaluations for several speakers, both on campus and elsewhere.

SPE 201: Group Discussion and Debate.

3 credit hours

Prerequisite: Speech 103. The theory of and the practice of conducting and participating in both small and large group discussions and in formal and informal debates. Emphasis is placed upon the role of the individual and the group process. Ample practical opportunity is given for testing theory and technique.

SPE 302: Interracial/Intercultural Communication.

3 credit hours

Prerequisite: Speech 103. Examines several cultural relationships and discusses the communication process.

SPE 304: Oral Interpretation.

3 credit hours

Prerequisite: Speech 103. Designed to equip the student with techniques for effective oral interpretation of such literature as the Bible, the Classics, dramatic literature and poetry. Emphasis is placed on teaching technique and entertainment.

SPE 315: Voice and Diction.

3 credit hours

Prerequisite: Speech 200, Speech 201, or Speech 304. A basic course offered to acquaint the student with the social, physiological, psychological, physical, phonetic, and linguistic bases of speech communication. No attempt is made to emphasize any particular sphere, such as public speaking, interpretation, drama, debate, etc., but exposure to all forms of oral communication is attempted, and ample exercises are provided to test the student's skills in these various areas.

Communications

Course Descriptions

COM 205: Mass Media and Society.

3 credit hours

Prerequisite: Speech 103. This course deals with the societal impact of mass media in terms of information, entertainment and other type programming. It also covers program packaging as related to how each is created in terms of audience consumption. Basic theory as it relates to criticism and demographics is stressed.

COM 206: Audio Production.

3 credit hours

Prerequisite: Communication 205. This course deals with audio boards, microphones, microphone techniques, tape decks, cartridge tapes, the recording and editing of tapes. Practical exercises are used to develop expertise. Usually, each student is required to pass the FCC third-class operators test.

COM 225: Radio Production/Programming.

3 credit hours

Prerequisite: Communication 205. This course is designed to provide experience in all production and operating practices, and then to relate these production experiences to commercial, educational and aesthetic requirements of a broadcasting station.

Theatre

Course Descriptions

THE 204: Introduction to Theatre.

3 credit hours

This introductory course exposes the student to the various operations that combine to produce a theatrical event. Through readings, lectures, demonstrations, and active participation "behind the scenes" in on-going productions, the student gains an appreciation and knowledge of theatre history, design, technical production, critics, directing, and acting, so that he/she may develop perception, judgment, and creative responsiveness to theatre.

THE 210: World Drama.

3 credit hours

Prerequisite: English 211. A study in dramatic literature throughout the western world, from the Greeks to Ibsen. Emphasis will be on works which are examples of the major periods of drama, including those of Sophocles, Plautus, Moliere, Shakespeare, Sheridan, Rostand, and Ibsen.

THE 250: Acting.

3 credit hours

Laboratory class in the fundamentals, techniques and practices of stage credibility and acting. Introduction to stage terminology and responsibilities of the actor; exercises geared toward relaxation, self-exploration, the development of stage presence; and the study of acting theory and method, leading to the characterization of roles.

THE 305: Theatre History.

3 credit hours

Prerequisite: Theatre 204. A survey of theatre from its primitive origins through its history, up to the emergence of modern drama. Study of content and trends in dramatic literature, play production, acting, theatre architecture, scenography, and the function of theatre in society throughout history.

THE 380: Play Directing.

3 credit hours

Prerequisite: Theatre 250. A study of the practice of play direction with practical experience, study of play analysis, problems and practices of staging, production, planning line and role interpretation, creation of imagery, prompt-book preparation and responsibility to actors and other theatre workers.

Music

Baccalaureate degrees are offered in Music Education and Applied Music at Kentucky State University. A variety of music activities for the nonmajor are also available. Each semester performances are presented by various music ensembles, students, and faculty, as well as by non-University organizations and individuals. The music life of the University is an integral part of the educational and cultural life of the University.

Programs of study are designed to provide the student not only a sound undergraduate education in music but

the necessary skills that are required for many occupations in music and related fields.

Music Placement Examinations

During the freshman and new student orientation period of the first semester of enrollment all music majors are required to take placement examinations in keyboard, theory, and major applied before completing registration.

All students who do not pass the keyboard placement examination upon entering must take a combination of Music 110, 111, 210, and 211 to prepare for the Keyboard Proficiency Examination taken during the spring semester of the sophomore year.

All students who do not pass the theory placement examination upon entering must enroll in Music 100, Fundamentals of Musicianship.

All students who do not pass the major applied placement examination upon entering may be required to enroll in minor applied until satisfactory progress allows for enrollment in major applied.

General Requirements

Every music major is required to study his or her major applied instrument (or voice) throughout the program.

All students are required to attend the studio seminar and the departmental recital seminar each week. Failure to attend applied music seminars will result in a reduced applied music grade.

All students are expected to practice from two to three hours daily.

During the spring semester of the sophomore year, all students must meet minimum proficiency requirements in piano. These include the ability to read music of the type found in community song books and the ability to sight read simple accompaniments.

During the spring semester of the sophomore year, all music majors are required to pass the proficiencies in keyboard, ear training, sight-singing, and written theory. The student may attempt the proficiency only twice. Failure to pass the second time will result in re-evaluation of the student by the music faculty, and at that time the music faculty will advise the student whether upper-division courses should be taken. Further repetition of this proficiency must have the approval of the music faculty.

Every student earning credit in his or her major field must perform in student recitals as required by his or her major instructor. Failure to perform, unless excused by the major instructor, will result in a reduced applied music grade.

All performance majors must appear in a junior recital (Music 399) consisting of a minimum of 30 minutes of music.

All music majors must appear in a recital during their senior year. Music Education majors must perform a minimum of 30 minutes of music. Performance majors receive one or two hours of credit for Music 499 and must perform a minimum of 45 minutes of music.

All music majors presenting recitals must pass a hearing (approved by the applied instructor). The hearing must be given four weeks prior to the scheduled recital. Exceptions must be cleared through the Music Area faculty.

All students majoring in music must perform on jury at the end of each semester. Each student is evaluated in his or her performance area by music faculty members in the related discipline. These evaluations are submitted to the major instructor. Students are allowed to see the evaluations and to discuss their progress with their instructors.

All music majors must complete all Liberal Studies Requirements except Speech 103, Interpersonal Communications; Art 130, Introduction to Art; and Music 130, Introduction to Music.

Music Ensemble

Music ensemble consists of participation in one or more of the following organizations, ensembles, or activities: Concert Band, Concert Choir, Small Vocal Ensembles, Marching Band, Wind Ensemble, Commercial Music Ensemble, Jazz Band, Opera Workshop, Accompanying or other chamber ensembles.

Each music education major must participate in an ensemble each semester except during the student teaching semester. Music education majors pursuing the instrumental option must take the minimum of three semesters of concert band, and three semesters of marching band. A music education major pursuing the vocal option must take concert choir. Eight semesters of ensemble participation are required for all applied music majors.

Music Education

All music education majors are required to pass

Education 294: Introduction to Teaching, before the end of the sophomore year of study.

All music education majors are required to participate in a program of classroom observation in public schools at all grade levels prior to student teaching.

Students in Music Education must be accepted into the Teacher Education program. (See "Admission to Teacher Education" in this catalogue.)

All music education majors must apply for and be accepted for admission to Supervised Teaching, Education 494. (See "Admission to Supervised Teaching" in this catalogue.)

Music education majors are not required to take Education 305: Fundamentals and Administration of Elementary Schools, or Education 452: Fundamentals and Administration of Secondary Schools.

Grant-in-Aid

All grant-in-aid recipients must meet the specific requirements for each ensemble from which aid is received and the University's scholarship policy, described elsewhere in this catalogue. In addition such students are required to attend all rehearsals and performances unless absence is approved in advance by the instructor. Punctual attendance for rehearsals and performances is also expected.

If any of the above obligations are not met during any semester, the grant-in-aid will be suspended for the following semester.

Concerts and Recitals

Music majors are required to attend concerts and recitals sponsored by the University and the Department

of Music. Failure to observe these requirements will affect applied music grades.

Faculty Advisors

Every student who declares his or her intention to major in a degree program in music is assigned a faculty advisor. The advisor assists the student in registering and planning an appropriate academic program. Faculty advisors are also responsible for periodically notifying students of their academic progress towards completion of degree requirements.

Every student must fill out the appropriate advisement forms with his advisor *each semester*. One copy is for the student, one for the advisor, and one remains in the student's file in the music office. The advisement form shall indicate courses, grades, and other pertinent information regarding the student's progress. In all instances concerning curricula and department requirements, the student is required to maintain close consultation with his or her advisor.

The faculty of music reserves the right to make any necessary changes in the required courses and degree programs in order to comply with accreditation agencies. These changes must be approved by the University's Faculty Senate, the Vice President for Academic Affairs, and the President. Appropriate prior notice will be given to all majors and minors.

Music Minor

Students who elect to minor in music will develop an individualized program consisting of a minimum of 18 credit hours in collaboration with a member of the music faculty. All such programs must be approved by the entire music faculty.

Music Education
Instrumental Option

Major Requirements	Credit Hours
MUS 101: Music Theory I*	4
MUS 102: Music Theory II	4
MUS 161: Major Applied	2
MUS 162: Major Applied	2
MUS 201: Music Theory III	4
MUS 202: Music Theory IV: Counterpoint	4
MUS 261: Major Applied	2
MUS 262: Major Applied	2
MUS 301: Form and Analysis	2
MUS 303: Orchestration	2
MUS 321: Music History and Literature I	3
MUS 322: Music History and Literature II	3
MUS 324: 20th Century Music	2
MUS 341: Pedagogical Techniques: Strings	2
MUS 342: Pedagogical Techniques: Voice**	2
MUS 343: Pedagogical Techniques: Woodwinds I	2
MUS 344: Pedagogical Techniques: Woodwinds II	2
MUS 345: Pedagogical Techniques: Brass I	2
MUS 346: Pedagogical Techniques: Brass II	2
MUS 347: Pedagogical Techniques: Percussion	2
MUS 353: Choral Conducting	1
MUS 354: Instrumental Conducting	1
MUS 361: Major Applied	2
MUS 362: Major Applied	2
MUS 381: Marching Band	3
MUS 382: Concert Band	3
MUS 437: Instrumental Methods and Literature	1
MUS 461: Major Applied	2
MUS : Ensemble (Elective)	1
Total Credit Hours	66

Professional Component	
MUS 331: Fundamentals & Methods for Elementary School Music Teachers	2
MUS 332: Fundamentals & Methods for Secondary School Music Teachers	2
EDU 221: Human Growth: Developmental Psychology	3
EDU 294: Introduction to Teaching	2
EDU 301: Education Psychology	3
EDU 310: Introduction to Exceptional Education	3
EDU 394: Clinical Experience in Teaching	4
EDU 494: Supervised Teaching	12
Total Credit Hours	31

*All students who do not pass the keyboard placement examination upon entering must take a combination of Music 110, 111, 210, and 211 to prepare for the Keyboard Proficiency Exam taken during the spring semester of the sophomore year.

**In addition, keyboard majors must also take Music 349: Pedagogical Techniques: Keyboard.

Music Education
Vocal Option (K-12 Certificate)

Major Requirements	Credit Hours
MUS 101: Music Theory I*	4
MUS 102: Music Theory II	4
MUS 161: Major Applied	2
MUS 162: Major Applied	2
MUS 201: Music Theory III	4
MUS 202: Music Theory IV: Counterpoint	4
MUS 261: Major Applied	2
MUS 262: Major Applied	2
MUS 301: Form and Analysis	2
MUS 303: Orchestration	2
MUS 321: Music History and Literature I	3
MUS 322: Music History and Literature II	3
MUS 324: 20th Century Music	2
MUS 336: Phonetics and Diction	1
MUS 341: Pedagogical Techniques: Strings	2
MUS 342: Pedagogical Techniques: Voice**	2
MUS 348: Pedagogical Techniques: Band Instruments	2
MUS 353: Choral Conducting	1
MUS 354: Instrumental Conducting	1
MUS 361: Major Applied	2
MUS 362: Major Applied	2
MUS 386: Concert Choir	7
MUS 435: Choral and Vocal Literature	1
MUS 461: Major Applied	2
Total Credit Hours	59

Professional Component

MUS 331: Fundamentals and Methods for Elementary School Music Teachers	2
MUS 332: Fundamentals and Methods for Secondary School Music Teachers	2
EDU 221: Human Growth: Developmental Psychology	3
EDU 294: Introduction to Teaching	2
EDU 301: Education Psychology	3
EDU 310: Introduction to Exceptional Education	3
EDU 394: Clinical Experience in Teaching	4
EDU 494: Supervised Teaching	12
Total Credit Hours	31

*All students who do not pass the keyboard placement examination upon entering must take a combination of Music 110, 111, 210, and 211 to prepare for the Keyboard Proficiency Exam taken during the spring semester of the sophomore year.

**In addition, keyboard majors must also take Music 349: Pedagogical Techniques: Keyboard.

Music Education Endorsements

Students who have chosen the Vocal Option in Music Education may be certified to teach in the instrumental area by satisfying the following additional requirements.

	Credit Hours
MUS 343: Pedagogical Techniques: Woodwinds I	2
MUS 344: Pedagogical Techniques: Woodwinds II	2
MUS 345: Pedagogical Techniques: Brass I	2
MUS 346: Pedagogical Techniques: Brass II	2
MUS 347: Pedagogical Techniques: Percussion	2
MUS 437: Instrumental Methods and Literature	1
MUS 120: Minor Applied (Band Instruments)	1
MUS 220: Minor Applied (Band Instruments)	1
Total Credit Hours	13

Students who have chosen the instrumental option in music education may be certified to teach in the vocal area by satisfying the following additional requirements.

	Hours
MUS 336: Phonetics & Diction	1
MUS 435: Choral & Vocal Literature	1
MUS 120: Minor Applied Voice	1
MUS 220: Minor Applied Voice	1
MUS 320: Minor Applied Voice	1
MUS 420: Minor Applied Voice	1
MUS : Choral Ensembles	6
Total Credit Hours	12

Applied Music Vocal Option

Major Requirements	Credit Hours
MUS 101: Music Theory I	4
MUS 102: Music Theory II	4
MUS 110: Class Piano*	1
MUS 111: Class Piano	1
MUS 120: Minor Applied (Piano)	1
MUS 220: Minor Applied (Piano)	1
MUS 201: Music Theory III	4
MUS 202: Music Theory IV: Counterpoint	4
MUS 301: Form & Analysis	2
MUS 303: Orchestration	2
MUS 321: Music History & Literature I	3
MUS 322: Music History & Literature II	3
MUS 324: 20th Century Music	2
MUS 336: Phonetics & Diction	1
MUS 341: Pedagogical Techniques: Strings	2
MUS 342: Pedagogical Techniques: Voice**	2
MUS 348: Pedagogical Techniques: Band Instruments	2
MUS 353: Choral Conducting	1
MUS 354: Instrumental Conducting	1
MUS 386: Concert Choir	8
MUS 399: Recital	1
MUS 499: Recital	1-2
Total Credit Hours	51-52
MUS 161: Major Applied	2
MUS 162: Major Applied	2
MUS 261: Major Applied	2
MUS 262: Major Applied	2
MUS 361: Major Applied	4
MUS 362: Major Applied	3
MUS 461: Major Applied	4
MUS 462: Major Applied	3
Total Credit Hours	22

*All students who do not pass the keyboard placement examination upon entering must take a combination of Music 110, 111, 210, and 211 to prepare for the Keyboard Proficiency Exam taken during the spring semester of the sophomore year.

**In addition, keyboard majors must also take Music 349: Pedagogical Techniques: Keyboard.

Applied Music: Instrumental Option

Major Requirements	Credit Hours
MUS 101: Music Theory I*	4
MUS 102: Music Theory II	4
MUS 110: Class Piano*	1
MUS 111: Class Piano	1
MUS 120: Minor Applied	1
MUS 220: Minor Applied	1
MUS 320: Minor Applied	1
MUS 420: Minor Applied	1
MUS 201: Music Theory III	4
MUS 202: Music Theory IV: Counterpoint	4
MUS 301: Form & Analysis	2
MUS 303: Orchestration	2
MUS 321: Music History & Literature I	3
MUS 322: Music History & Literature II	3
MUS 324: 20th Century Music	2
MUS 341: Pedagogical Techniques: Strings	2
MUS 342: Pedagogical Techniques: Voice**	2
MUS 348: Pedagogical Techniques: Band Instruments	2
MUS 353: Choral Conducting	1
MUS 354: Instrumental Conducting	1
MUS : Ensembles (Elective)	4
MUS 382: Concert Band	4
MUS 399: Recital	1
MUS 499: Recital	1
Total Credit Hours	52
MUS 161: Major Applied	2
MUS 162: Major Applied	2
MUS 261: Major Applied	2
MUS 262: Major Applied	2
MUS 361: Major Applied	4
MUS 362: Major Applied	3
MUS 461: Major Applied	4
MUS 462: Major Applied	3
Total Credit Hours	22

*All students who do not pass the keyboard placement examination upon entering must take a combination of Music 110, 111, 210, and 211 to prepare for the Keyboard Proficiency Exam taken during the spring semester of the sophomore year.

**In addition, keyboard majors must also take Music 349: Pedagogical Techniques: Keyboard.

Music Theory, Composition, and Arranging

Course Descriptions

MUS 100: Fundamentals of Musicianship.

3 credit hours

An introduction to fundamentals of music: clefs, scales, meters, and rhythms. Includes music literature, sight singing, piano, and ear training.

MUS 101: Music Theory I.

4 credit hours

Prerequisite: Music Theory Diagnostic Examination or completion of Music 100. Introduction to the fundamentals of musicianship and the principles of tonal music. Includes a review of materials in Music 100, notation and study of chords, root position and inversions, melody, simple form, and introduction to four-part harmony. Also includes examples from music literature. Keyboard, ear training, and sight singing skills are correlated with course content.

MUS 102: Music Theory II.

4 credit hours

Prerequisite: Music 101. Review of Music 101. Harmonic analysis and composition using all diatonic chords, including seventh chords and their inversions; expansion of simple forms; and dictation with examples from music literature. Keyboard, ear training and sight singing skills are correlated with course content.

MUS 201: Music Theory III.

4 credit hours

Prerequisite: Music 102. Continuation of harmonic analysis and composition, including borrowed chords, secondary dominants, altered chords, augmented sixth chords, 9th, 11th, 13th chords, and modulations. Includes four-part writing, keyboard, ear training, and sight singing correlated with course content.

MUS 202: Music Theory IV: Counterpoint.

4 credit hours

Prerequisite: Music 201. Analysis and written assignments with emphasis on contrapuntal practices as found in the works of J. S. Bach and other eighteenth century composers.

MUS 205, 206: Composition.

1-2 credit hours each

Prerequisite: Consent of instructor. Individual and class instruction in the basic elements of composition. The course of study follows very closely the logic of the music theory courses, beginning with aspects of melodic writing, then dealing with various two-voice settings, and introducing harmony only after the basic materials have been mastered.

MUS 207, 208, 307, 308, 407, 408: Jazz Arranging and Composition.

2 credit hours each

Prerequisite: Music 102. Individual and class instruction in writing for jazz ensemble, school stage band, and dance band. Includes written projects, original or arranged, for ensembles. These courses must be taken sequentially.

MUS 251: Introduction to Electronic Music.

2 credit hours

Prerequisite: Consent of instructor. Introduction to the acoustics of

music, care and use of tape recorders, editing techniques, and the use of acoustically recorded sounds in electronic music. Covers basic components of the Arp synthesizer.

MUS 252: Introduction to Arp Synthesizer.

1-2 credit hours

Prerequisite: Music 251. Independent compositional work using the Arp Synthesizer. Course may be repeated.

MUS 301: Form and Analysis.

2 credit hours

Prerequisite: Music 202. A study of basic musical structures, including phrases, sonata form, fugal and variation procedures, and rondo form.

MUS 303: Orchestration.

2 credit hours

Prerequisite: Music 301. A study of orchestration techniques for various music ensembles.

MUS 305, 306, 405, 406: Advanced Composition.

2 credit hours each

Prerequisite: Music 206. Instruction is based on the needs and interests of the students who will undertake one or more compositional projects each semester. These may be written for small groups, ensembles on campus, or in the medium of electronic music. These courses must be taken sequentially.

MUS 324: Twentieth Century Music.

2 credit hours

Prerequisite: Music 301. A study of major composers, styles and techniques of twentieth century music.

MUS 401: Twentieth Century Harmony.

2 credit hours

Prerequisite: Music 324. A study of the many styles of harmony used in 20th century music literature.

MUS 402: Twentieth Century Counterpoint.

2 credit hours

Prerequisite: Music 401 or permission of the instructor. A study of the various forms of counterpoint used in the twentieth century, especially in the works of major composers such as Bartok, Stravinsky, and Webern.

MUS 403: Arranging.

2 credit hours

Prerequisite: Music 301. Practical arranging and writing of suitable materials for music ensembles.

Music History and Literature

MUS 130: Introduction to Music.

3 credit hours

An introductory course to the fundamentals of music. One semester satisfies the Fine Arts requirement in the Liberal Studies Requirements.

MUS 321: Music History and Literature I.

3 credit hours

A survey of music and its development from its beginnings through the early Baroque period. Emphasis is placed upon the history, literature, art, and politics of the times. Students are given exposure to representative musical works.

MUS 322: Music History and Literature II.

3 credit hours

A continuation of Music 321. A survey of music and its development from 1685-1900.

MUS 323: Afro-American Music.

3 credit hours

A study of music literature of the Afro-American. Includes lectures, discussions, reading and listening assignments, spirituals, blues, miscellaneous songs, jazz, and symphonic literature of the Afro-American.

MUS 325: Jazz History and Literature.

3 credit hours

A survey of jazz and its performers from its origins to the present. All idioms -- big bands, combos, and soloists -- will be studied using selected readings and recordings.

Music Education

(No prerequisite unless specifically cited.)

MUS 331: Fundamentals and Methods for the Elementary School Music Teacher.

2 credit hours

A study of methods, materials, and techniques of teaching music in the elementary school. Selected visits and observations of public school classrooms.

MUS 332: Fundamentals and Methods for the Secondary School Music Teacher.

2 credit hours

A study of methods, materials, and techniques of teaching music in the secondary school. Selected visits and observations of public school classrooms.

MUS 333: Music for Elementary School Teachers.

3 credit hours

A course designed primarily to meet the needs of the elementary classroom teachers. Training in basic musicianship through keyboard and vocal practices. Not open to music majors.

MUS 334: Music for Elementary School Teachers.

3 credit hours

Prerequisite: Music 333. A continuation of Music 333 including materials and methods of teaching music in elementary school. Not open to music majors.

MUS 336: Phonetics and Diction.

1 credit hour

Phonetics applied to English, French, German, and Italian vocal literature. Class and individual clinical analysis and practice.

MUS 341: Pedagogical Techniques: Strings.

2 credit hours

Fundamentals of string techniques, study of scales, and performance of graded ensemble material.

MUS 342: Pedagogical Techniques: Voice.

2 credit hours

Fundamentals of voice production. Voice classification and techniques for solving problems in vocal production. Includes practicum and research.

MUS 343: Pedagogical Techniques: Woodwinds I.

2 credit hours

Fundamentals of woodwind instrument techniques and teaching methods.

MUS 344: Pedagogical Techniques: Woodwinds II.

2 credit hours

Continuation of Woodwinds I.

MUS 345: Pedagogical Techniques: Brass I.

2 credit hours

Fundamentals of brass instrument techniques and training methods.

MUS 346: Pedagogical Techniques: Brass II.

2 credit hours

A continuation of Music 345.

MUS 347: Pedagogical Techniques: Percussion.

2 credit hours

Fundamentals of percussion instrument techniques and teaching methods.

MUS 348: Pedagogical Techniques: Band Instruments.

2 credit hours

Woodwinds, brass, and percussion instruments including techniques of teaching and methods of performing.

MUS 349: Pedagogical Techniques: Keyboard.

2 credit hours

Fundamentals of keyboard techniques and teaching methods.

MUS 353: Choral Conducting.

1 credit hour

A study of basic conducting techniques. Performance, analysis, and evaluation of choral literature.

MUS 354: Instrumental Conducting.

1 credit hour

Prerequisite: Music 353 and Music 303. A study of advanced conducting techniques. Performance, analysis, and evaluation of instrumental literature.

MUS 357: Vocal Commercial Music Ensemble.

1 credit hour

Introduction to essential skills for the commercial vocal musician of today: popular solo singing, small and large ensemble singing. May be elected 10 times for credit.

MUS 358: Instrumental Commercial Music Ensemble.

1 credit hour

Introduction to essential skills for the commercial musician of today (lead arranging, playing solos, accompanying vocals, etc.). May be elected 10 times for credit.

MUS 435: Choral and Vocal Literature.

1 credit hour

Study of literature for the voice and chorus.

MUS 437: Instrumental Methods and Literature.

1 credit hour

Organization and administration of school instrumental music programs, including practical studies in marching band techniques. Preparation of pageants and routines for half-time shows. Study of brass, percussion, and woodwind literature.

Applied Music

Instruction is available in the following fields: Voice, piano, organ, woodwind, brass, string, and percussion instruments. Courses must be taken sequentially.

MUS 110-111/210-211: Class Piano.

1 credit hour each

Designed to aid students in preparing for the Piano Proficiency Examination.

MUS 120, 220, 320, 420: Minor Applied.

1 credit hour each

Private or class instruction in secondary performance areas designed to meet the functional needs of each student. One half-hour private lesson or one or two class periods each week. Voice majors are advised to elect piano for one credit hour.

MUS 161, 162: Major Applied.

2 credit hours each

Materials and literature based upon the individual needs of the student. Designed to prepare the student to meet the performance requirements in his/her major field of study. Minimum of one hour lesson and two laboratory seminars each week.

MUS 261, 262: Major Applied.

2 credit hours each

A continuation of Music 162 at the sophomore level.

MUS 361, 362: Major Applied.

2 credit hours for Music Education majors

3-4 credit hours for Applied Music majors

A continuation of Music 262 at the junior level.

MUS 399: Junior Recital.

1 credit hour

Prerequisite: Music 361. Public recital of approximately 30-40 minutes of music required. Performance majors only.

MUS 461: Major Applied.

2 credit hours for Music Education majors

4 credit hours for Applied Music majors

Continuation of Music 362.

MUS 462: Major Applied.

3 credit hours

Continuation of Music 461. For Applied Music majors only.

MUS 499: Senior Recital.

1-2 credit hours depending upon length of recital

Prerequisite: Music 461. Public recital requiring a minimum of 45 minutes of music. Performance majors only.

Ensembles

MUS 311: Opera Workshop.

1 credit hour

Membership is open to any student who successfully passes the auditions given each semester. This ensemble specializes in the study of operatic masterpieces.

MUS 355: Jazz Ensemble.

1 credit hour

Open to all students of Kentucky State University by audition. Standard and original compositions and arrangements are studied and performed to allow students an opportunity to understand musical interpretation and technical devices employed in music of the jazz idiom.

MUS 375: Gospel Ensemble.

1 credit hour

Open to any student who desires to participate. The ensemble is a performing group and will study the history, literature, and styles of gospel singing. (Can be repeated.)

MUS 381: Marching Band.

1 credit hour (fall semester)

During the fall season, band activities are devoted primarily to the marching band, which provides support for athletic events of Kentucky State University. The organization is open to all students in the University on the approval of the director.

MUS 382: Concert Band.

1 credit hour (spring semester)

The Concert Band is organized at the close of the football season. Open to all qualified students of Kentucky State University by audition who are interested in the study and performance of the literature for concert and symphonic bands.

MUS 383: Small Vocal Ensembles.

1 credit hour

Prerequisite: Consent of instructor. A mixed ensemble organized for performance of special literature, such as madrigals, motets, glee, etc.

MUS 385: Wind Ensemble.

1 credit hour

Prerequisite: Consent of instructor. Wind and percussion literature for select musicians. Membership by audition only.

MUS 386: Concert Choir.

1 credit hour

A mixed ensemble organized for the study of sacred and secular choral literature. Open to all students of Kentucky State University by audition. The choir presents several programs on the campus and on the annual spring tour.

MUS 387: Instrumental Chamber Music: Woodwinds.

1 credit hour

Prerequisite: Consent of instructor. Offered to afford opportunities for students to study woodwind literature which is not usually performed by the major ensembles.

MUS 388: Instrumental Chamber Music: Brass.

1 credit hour

Prerequisite: Consent of instructor. Offered to afford opportunities for students to study brass literature which is not usually performed by the major ensembles.

MUS 389: Instrumental Chamber Music: Percussion.

1 credit hour

Prerequisite: Consent of instructor. Offered to afford opportunities for students to study percussion literature which is not usually performed by the major ensembles.

Division of Health, Physical Education and Recreation

The Division prepares students to teach and/or direct programs in Health Education, Physical Education, Recreation, and Athletic Training, or for further graduate study in these and related fields. In addition, the faculty of the Division carry out instructional and counseling responsibilities for students throughout the University. In particular, the Division provides numerous and diverse opportunities for students to achieve physical fitness and to acquire recreational skills for lifetime learning and leisure. An extensive program of intramural activities is available to both men and women. Students may also participate in competitive sports for both men and women.

Every student seeking a baccalaureate degree at the University must satisfy the Health and Physical Education requirement of the University's Liberal Studies program. Two credit hours must be selected in either Health and Safety Education, or a course (or combination of courses) in Physical Education as follows:

Fall Semester

PHE 101: Team Sports
PHE 109: Beginning Swimming
PHE 114: Badminton/Tennis
PHE 116: Racquetball
PHE 118: Body Conditioning
PHE 121: Karate I
PHE 123: Aerobics I
PHE 205: Beginning Tennis
PHE 210: Archery/Bowling
PHE 240: Intermediate Swimming
PHE 351: Advanced Lifesaving

Spring Semester

PHE 102: Team Sports
PHE 109: Beginning Swimming
PHE 114: Badminton/Tennis
PHE 116: Racquetball
PHE 118: Body Conditioning
PHE 122: Karate II
PHE 124: Aerobics II
PHE 209: Intermediate Tennis
PHE 210: Archery/Bowling
PHE 240: Intermediate Swimming
PHE 352: Water Safety Instr.

The Division offers the B.S. degree in Physical Education and offers academic minors in both Health Education and Recreation. Students selecting an academic major or minor in the Division generally expect to enter the fields of Health, Physical Education, or Recreation as teachers, coaches, or area technicians. Individual student needs vary considerably, and the faculty of the Division make every effort to assist students in designing academic programs to address individual educational and career objectives.

Three major field curricular approaches are provided for students seeking the B.S. degree in Physical Education.

Students may undertake a course of study which leads to certification to teach physical education in secondary schools. Students selecting this program must satisfy professional education coursework as prescribed by the Commonwealth of Kentucky Department of Education and the University's Teacher Education Committee in addition to satisfying the coursework requirements stipulated by the Division itself.

A second option is available to students who wish to teach physical education in grades K-12. These students must satisfy the requirements of the Teaching Major in Physical Education with Elementary School Endorsement. In addition to Divisional coursework requirements and professional education coursework requirements, students selecting this course of study are required to satisfy further credit hours in the specialization and professional education fields. Students selecting this program are particularly advised to consult frequently with Divisional faculty advisors to assure that requirements for this program are understood and carried out in the proper sequence.

Finally, students may undertake a nonteaching major in Physical Education. Students selecting this program satisfy the same freshman- and sophomore-year coursework requirements expected of students undertaking the program that leads to teacher certification (with the exception of EDU 294, Introduction to Teaching, which is not required of nonteaching major students). In addition to the 34 credit hours required and cited above for teaching majors, students in the nonteaching Physical Education major program must take

eight credit hours in coaching techniques, six credit hours to be selected from Health Education 305, Health Education 326, Recreation 201, and Recreation 322, and three credit hours of general electives. Students selecting this option must also satisfy requirements for an 18-21-credit-hour academic minor. This minor may be selected from any instructional program offering a minor

throughout the University.

For students not seeking the B.S. degree in Physical Education, the Division offers an 18-credit-hour academic minor in Health Education, an 18-credit-hour academic minor in Recreation, and a 19-credit-hour academic minor in Athletic Training. These programs may be elected by any student in the University.

Suggested Physical Education Curriculum (Teaching, Secondary)

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
MAT 110: Intermediate Algebra	3	ART 130 or MUS 130	3
HIS 103: Survey of Civilization	3	SPE 103: Interpersonal Communication	3
BIO 111: Principles of Biology	4	PHS 201: Physical Science	3
PHE 103: Track & Field/Field Hockey, etc.	1	PHE 104: Tennis/Golf/Badminton/V'ball	1
PHE 105: Beginning Swimming (or above)	1	PHE 142: Advanced Rhythmic Activity	2
PHE 141: Elementary Rhythmic Activity	2	HED 107: First Aid	2
	17		17

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 211: Introduction to Literature	3	Computer or Foreign Language	3
PSY 200: General Psychology	3	IGS 201: Integrative Studies II	3
Computer or Foreign Language	3	EDU 221: Human Growth; Dev. Psychology	3
IGS 200: Integrative Studies I	3	EDU 294: Introduction to Teaching	2
BIO 301: Human Anatomy	3	PHE 204: Wgt. Trg./Bowling/Archery/Softball	1
PHE 203: Tumbling/Gymnastics	1	PHE 214: Introduction to Coaching	1
PHE 213: Modern Dance Techniques	1	PHE 330: Physiology of Exercise	3
	17	HED 221: Health and Safety Education	2
			18

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
IGS 300: Integrative Studies	3	ECO 200 or POS	3
EDU 301: Educational Psychology	3	IGS 301 or 400: Integrative Studies	3
PHE 323: History and Principles of Phys. Ed.	3	PHE 320: Adaptive Physical Education	3
PHE 331: Kinesiology	3	PHE 324: Prev. Care of Injuries	3
HED 223: Principles of Health Education	3	PHE 356: Sports Officiating	3
HED 305: Safety Education	3	HED 320: Health Education in Schools	3
	18		18

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
PHE 401: Tests/Measurements, HPE	3	EDU 394 Clinical Experience	4
EDU 410: Methods of Teaching Phys. Ed.	3	EDU 494: Supervised Teaching	12
EDU 425: Fund. Admin. Secondary Education	3		16
PHE 421: Org. and Admin. HPER	3		
	12		

Total Hours: 133

Suggested Physical Education Curriculum
(Nonteaching)

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
MAT 110: Intermediate Algebra	3	ART 130 or MUS 130	3
HIS 103: Survey of Civilization	3	SPE 103: Interpersonal Communication	3
BIO 111: Principles of Biology	4	PHY 201: Physical Science	3
PHE 103: Track & Field/Field Hockey, etc.	1	PHE 104: Tennis/Golf/Badminton/V'ball	1
PHE 105: Swimming (or above)	1	PHE 142: Advanced Rhythmic Activity	2
PHE 141: Elementary Rhythmic Activity	2	HED 107: First Aid	2
	<u>17</u>		<u>17</u>

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 211: Introduction to Literature	3	Computer or Foreign Language	3
PSY 200: General Psychology	3	IGS 201: Integrative Studies II	3
Computer or Foreign Language	3	EDU 221: Human Growth; Dev. Psychology	3
BIO 301: Human Anatomy	3	PHE 204: Wgt. Trg/Bowling/Archery/Softball	1
PHE 203: Tumbling/Gymnastics	1	PHE 214: Introduction to Coaching	1
PHE 213: Modern Dance Techniques	1	PHE 330: Physiology of Exercise	3
IGS 200: Integrative Studies I	3	HED 221: Health and Safety Education	2
	<u>17</u>		<u>16</u>

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
IGS 300: Integrative Studies	3	IGS 301 or 400: Integrative Studies	3
PHE 323: History and Principles of Phys. Ed.	3	PHE 320: Adaptive Phys. Ed.	3
PHE 331: Kinesiology	3	PHE 324: Prev. Care of Injuries	3
PHE 304 or 404: Coaching Techniques	2	PHE 303 or 403: Coaching Techniques	2
		HPER Elective***	3
Students who elect their minor in the Division must choose one of the following pairs of courses yielding at least 6 credit hours:		Minor Courses:	
HED 223: Principles of Health Ed.*	3	HED 320: Health Education in Schools	
HED 305: Safety Education*	3	or	
or		REC 322: Recreation for Spec. Pop.**	3
REC 101: Introduction to Recreation**	3		<u>17</u>
REC 201: Recreational Games and Sports**	3		
or			
CHE 100: Survey of Chemistry***	4		
PSY 401: Psychology of Personality***	3		
	<u>17-18</u>		

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
PHE 401: Tests/Measurement, HPE	3	PHE 356: Sports Officiating	3
PHE 421: Org. and Admin. of HPER	3	PHE 303 or 304: Coaching Techniques	2
PHE 403 or 404: Coaching Techniques	2	HPER Elective* and **	3
HPER Elective	3	General Elective	3
Students who elect their minor in the Division must choose one of the following pairs of courses yielding at least 6 credit hours:		Minor Courses:	
FNU 103: Nutrition & Food Choices*	3	HED 326: Survey of Diseases* or	3
HED 321: Community Health*	3	PHE 424: Field Experience in Athl. Trg.***	6
or		or	
REC 343: Org. & Admin. of Play & Rec.**	3	REC 365: Camping & Camp Counseling**	3
REC 400: Rec. Field Experiences**	3		14-17
or			
PHE 423: Adv. Tech. of Athletic Trg.***	3		
FNU 103: Nutrition & Food Choices***	3		
	17		
Total Hours: 132-136			

*Health Ed. Minors: Spring Semester, Jr. yr. - 3 hrs. gen. electives;
Sr. yr. - 3 hrs.

**Recreation Minors: Spring Semester, Sr. yr. - 6 hrs. gen. electives

***Athletic Training Minors: Spring Semester, Jr. - 6 hrs. gen. electives

Course Descriptions

PHE 101: Volleyball and Basketball.

1 credit hour

An introduction to and development of fundamental techniques, skills and rules in volleyball and basketball.

PHE 102: Team Sports.

1 credit hour

Designed to provide students a broad range of experiences in various team sports, such as basketball and softball.

PHE 103: Track & Field/Field Hockey/Racquetball/Badminton.

1 credit hour

Required of all majors (fall semester only). This course is designed to develop knowledge and understanding of rules, scoring and basic movement patterns of designated activities. Teaching techniques stressed. Text required. Lecture and laboratory.

PHE 104: Golf/Tennis/Soccer/Volleyball.

1 credit hour

Required of all majors. (Fall semester only.) This course is designed to develop knowledge and understanding of rules, scoring and basic movement patterns of designated activities. Teaching techniques stressed. Text required. Lecture and laboratory.

PHE 109: Beginning Swimming.

1 credit hour

Designed to teach students basic skills in swimming, diving and water

safety. Required of all majors. (Physical Education 240, 351, or 352 will also satisfy requirement.)

PHE 114: Badminton/Tennis.

1 credit hour

Designed to develop fundamental skills in badminton and tennis. Emphasis on rules, basic strokes and court markings.

PHE 116: Racquetball/Handball.

1 credit hour

Designed to teach fundamental skills, rules, and techniques of racquetball and handball.

PHE 118: Body Conditioning.

1 credit hour

Theory and practice of physical conditioning through fundamental movements of standing, walking, running, climbing, and lifting. Instruction and training in calisthenics, rope jumping, and self-testing activities.

PHE 121: Karate I.

1 credit hour

An introduction to physical and metaphysical aspects of the art, meditation and relaxation, art of self-defense, and increasing strength and stability.

PHE 122: Karate II.

1 credit hour

A more advanced course for students who are serious about the pursuit of the martial arts.

PHE 123: Aerobics I.

1 credit hour

A course designed to improve the cardiovascular system, to promote an understanding of the role of aerobics in the prevention of heart disease, and to aid the student in developing a greater awareness of personal fitness.

PHE 124: Aerobics II.

1 credit hour

To aid students in determining their level of cardiovascular fitness, establish their personal target zone for cardiovascular fitness, and in designing a personal aerobics program.

PHE 141: Fundamental Rhythmics for Elementary School Physical Education.

2 credit hours

Instruction and experience in folk and square dances suitable for use in the elementary school. Basic rhythms for use in elementary schools are included in this course. Required of all majors.

PHE 142: Advanced Rhythmical Activities - Elementary School.

2 credit hours

Prerequisite: Physical Education 141. An introduction to the creative approach to dance and rhythmics at elementary school levels. The principles of kinesthetics and rhythmical forms applied to the practice of fundamental movement techniques. Required of all majors.

PHE 203: Tumbling and Gymnastics.

1 credit hour

Required of all majors. (Spring semester only.) This course is designed to give the Physical Education major a basic background in gymnastic activities for both men and women. The course affords students basic demonstrable knowledge of fundamentals stunts, tumbling, gymnastic apparatus and movements of free exercises and routines. In addition, basic safety procedures and spotting techniques are emphasized.

PHE 204: Weight Training/Bowling/Archery/Softball.

1 credit hour

Required of all majors. (Spring semester only.) This course is designed to develop knowledge and understanding of rules, scoring, and basic movement patterns of designated activities. Teaching techniques stressed. Text required. Lecture and laboratory.

PHE 205: Beginning Tennis.

1 credit hour

Theory and practice of fundamentals of tennis. Emphasis upon rules, scoring, equipment, grips, footwork, body position, and basic strokes.

PHE 209: Intermediate Tennis.

1 credit hour

Prerequisite: Physical Education 205 or equivalent. Review of beginning tennis skills. Emphasis upon stroke development and improvement of individual skills.

PHE 210: Archery/Bowling.

1 credit hour

Designed to teach fundamental skills of bowling and archery. Emphasis upon rules, equipment, and basic skills.

PHE 213: Modern Dance Techniques.

1 credit hour

Theory and practice of techniques and composition. Required of all majors.

PHE 214: Introduction to Coaching.

1 credit hour

Study of coaching methods common to most sports. Specific instruction in theory, strategy and mechanics of major sports. Required of all majors.

PHE 240: Intermediate Swimming.

1 credit hour

Review of beginning swimming skills. Instruction in techniques of all strokes useful to recreational swimming.

PHE 303-1: Coaching Techniques - Track and Field.

2 credit hours

Prerequisites: Completion of all Liberal Studies Requirements, Physical Education 214. Study in the theory, methods and mechanics of coaching track and field events and cross-country. The organization and operational procedures for staging those events. Required of all majors.

PHE 304-1: Coaching Techniques - Baseball.

2 credit hours

Prerequisites: Completion of all Liberal Studies Requirements, Physical Education 214. Study in the theory, strategy and mechanics of coaching baseball, including all the necessary skills of batting, base-running, fielding, pitching and the playing of all positions.

PHE 320: Adapted Physical Education.

3 credit hours

Prerequisite: Physical Education 331. Designed to familiarize students with conditions that limit individual participation in physical activity. Emphasis upon theory and practices of presenting solutions for improving conditions for participation of atypical individuals will be studied. Lecture and laboratory internships. Required of all majors.

PHE 323: History and Principles of Physical Education.

3 credit hours

This course is a study of the history of physical education and a study of the foundation of the principles of physical education. The evaluation of the principles is considered in relation to education in general. Required of all majors.

PHE 324: Prevention and Care of Athletic Injuries.

3 credit hours

Prerequisite: Physical Education 331. The principles of care for injuries in the various sports activities. Special attention is given to the prevention of athletic injuries. Laboratory experience in athletic bandaging is provided. Required of all majors.

PHE 330: Physiology of Exercise.

3 credit hours

Prerequisite: Biology 301. Designed to present the physiological effects of exercise on the various body systems with particular emphasis on the musculoskeletal, cardiovascular, and respiratory systems and laboratory techniques in monitoring physiological parameters. Lecture and laboratory. Required of all majors.

PHE 331: Kinesiology.

3 credit hours

Prerequisite: Physical Education 330. Study of the musculature and bone structure of the body in relationship to the science of movement, joint mechanisms, leverage, and muscle actions. Required of all majors.

PHE 351: Lifesaving and Water Safety.

2 credit hours

Prerequisite: Physical Education 240 or comparable skills. (Fall semester only.) Stroke review, conditioning, and American Red Cross Advanced Life Saving certification. Lecture and laboratory.

PHE 352: Water Safety Leadership.

2 credit hours

Prerequisite: American Red Cross Advanced Lifesaving Certificate. (Spring semester only.) Training in teaching skills and knowledge for Red Cross swimming courses. American Red Cross Water Safety Instructor certification upon successful course completion. Lecture and laboratory.

PHE 356: Sports Officiating.

3 credit hours

Theory and practice, rules interpretation, and instruction in officiating basketball, volleyball, field hockey, football and other selected sports. Preparation for National Officials ratings in all sports. Lecture and laboratory.

PHE 359: Movement Exploration in the Elementary Schools.

3 credit hours

Emphasis on the theory and principles of movement exploration, rhythmic activities, tumbling and self-testing activities, sports skills and game activities.

PHE 360: Physical Education in the Elementary School.

2 credit hours

Prerequisites: Psychology 200 and Education 221. Required of all majors in physical education and open to others who are seeking teacher certification. Material and techniques in physical education activities suitable for elementary school children is studied.

PHE 391-392: Practicum - Elementary Schools, K-4 and 5-8.

2-4 credit hours each

Prerequisites: Physical Education 103, 104, 203, 204. The student is given an opportunity to engage in predirected teaching. The student is assigned to observe, participate, and teach in a classroom situation under the direction of the instructor of the course. Open to majors.

PHE 401: Tests and Measurements.

3 credit hours

Prerequisite: Mathematics 110. The theory of measurement and statistical techniques in Physical Education. Includes construction of knowledge tests and the measuring of physical fitness and motor performances. Lecture and laboratory.

PHE 403-1: Coaching Techniques - Basketball.

2 credit hours

Prerequisites: Completion of all Liberal Studies Requirements. Physical Education 214. Study in theory, strategy and mechanics of teaching basketball.

PHE 404-1: Coaching Techniques - Football.

2 credit hours

Prerequisites: Completion of all Liberal Studies Requirements. Physical Education 214. Study in theory, organization, mechanics,

and overall strategy of the teaching of football. Defensive and offensive play are both thoroughly explored.

PHE 421: Organization and Administration of Health and Physical Education.

3 credit hours

Prerequisite: Physical Education 323. Procedures and policies for the administration of health and physical education programs in schools and colleges. Care of facilities, equipment and supervision of personnel will be included with the administration of athletics. Required of all majors.

Health Education

HED 107: First Aid and Personal Safety.

2 credit hours

This course is designed to aid the student in developing the proper attitudes, skills, and knowledge needed to promote safety. Techniques in care of injuries and sudden illness are taught. The standard American Red Cross Certificate in First Aid may be earned. One hour lecture, two hours laboratory.

HED 221: Health and Safety Education.

2 credit hours

This course is designed to provide the basic facts and principles necessary to the development of knowledge, habits, and attitudes for optimum individual, family, and community health and safety. Required of all Physical Education majors.

HED 223: Principles of Health Education.

3 credit hours

Prerequisite: Health Education 221. Foundations and principles of health - physical, mental, social, emotional and environmental.

HED 305: Safety Education.

3 credit hours

Emphasis on the cost and trends of all types of accidents. Personal factors as related to safety are covered.

HED 320: Health Education in Schools.

3 credit hours

Prerequisites: Health Education 221, Education 221. This course is designed to provide strategies and techniques for the teaching of health in grades K-12. Emphasis is on curriculum development, teaching approaches, evaluation, changes occurring in the health sciences, and sources and use materials.

HED 321: Community Health.

3 credit hours

An introductory course to acquaint the student with community health problems. The organization, administration, and supervision of community health agencies are emphasized.

HED 326: Survey of Diseases.

3 credit hours

Prerequisite: Health Education 221 or 223, consent of instructor. General signs and symptoms of prevalent communicable diseases are studied. Emphasis is placed on the prevention and control of these conditions.

Recreation

REC 101: Introduction to Recreation.

3 credit hours

An introductory study to recreation designed to give students a basic background. Special attention is given to the history of recreation, principles of organization, finance, administration and supervision.

REC 201: Recreational Games and Sports.

3 credit hours

Prerequisite: Recreation 101 or approval by Division Chairperson. The theory and practice of teaching recreational games and sports needed in developing sound recreational programs are studied.

REC 322: Recreation for Special Populations.

3 credit hours

Prerequisite: Recreation 101 or approval by Department Chairperson. Philosophy, objectives and basic concepts of recreation for handicapped and aged; identification of problems associated with these groups; and the development of programs, based on the identified problems to aid in the maintenance of physical, mental, and emotional stability. Lecture and laboratory.

REC 343: Organization and Administration of Playgrounds and Recreation.

3 credit hours

Deals with city problems as related to play and recreation, city planning, powers and abilities; programs, leagues, tournaments, equipment, supplies and public relations.

REC 364: Camping and Camp Counseling.

3 credit hours

Prerequisite: Recreation 101 or approval by Division Chairperson. Theory and practice of trends and philosophies of camping and camp counseling. Emphasis upon organizing and administering practical experiences in organized camping programs. Lecture and laboratory.

REC 400: Recreation Field Experience.

3 credit hours

Prerequisites: Recreation 101, 302, and 322. Students engage in supervised leadership experiences in public and private recreation agencies.

Military Science (ROTC)

The Military Science Program is open to both men and women and follows a General Military Science Curriculum. The program is normally four years in length; however, it may be completed in two years if a student has had prior military service, or has completed three years of Junior ROTC. The primary objective of the Military Science Program, which is offered on an elective basis, is to provide junior officers for all branches of the active United States Army, the Army Reserve, and the Army National Guard.

Scholarships

Scholarships (3- and 2-year) are available, on a competitive basis, to qualified students. These scholarships pay for tuition (in-state or out-of-state), all books and laboratory fees and provide the recipient with a \$100 tax-free subsistence allowance each month of the school year. Scholarship students incur a four-year active duty obligation.

Program

The normal four-year program consists of the successful completion of 23 credit hours of Army ROTC coursework which qualifies a student to be commissioned as a Second Lieutenant in the United States Army. The following courses are required to complete this program: Military Science 101, 102, and Military Science 201, 202, 301, 302, 303, 341, and 342. In addition to these courses, an alternative two-year program is also available for students who have at least two academic years remaining until graduation and have not taken or completed the 100 or 200 level courses. This program is particularly suited to the community college graduate who is transferring to Kentucky State University. Interested students must attend a six-week Basic Camp (Military Science 203) conducted at Fort Knox, Kentucky during the summer. Successful completion of the Basic Camp enables academic juniors to enroll in Military Science 300 level courses and complete the precommissions program in two years. Under certain conditions, veterans and students who have participated in Junior ROTC for three years in high school are also eligible to complete the program in a two-year period.

The Basic Courses (100 and 200 level) are orientational in content and deal with introductory military and leadership skills, small unit tactics and map reading, and civil military relations in a changing world. No military obligation is incurred by the completion of these courses.

The Advanced Courses (300 level) focus on leadership, management, military history, and command/staff responsibilities within military organizations and prepare students for their prospective roles as junior officers in the United States Army. All junior and senior Advanced Army ROTC students are eligible to receive \$100 per month for up to 10 months of the school year and a military obligation is incurred. In addition, students are paid approximately \$600 during the summer(s) they attend and complete the Basic Camp and/or the Advanced Camp (Military Science 303).

Aerospace Studies

Since 1978 Kentucky State University and the University of Kentucky have had an agreement whereby qualified Kentucky State University students may enroll in Air Force ROTC courses offered at the University of Kentucky. The General Military and the Professional Officer Courses are available to Kentucky State University students. If you desire more information, please contact the University of Kentucky Detachment Commander at (606) 257-7115.

Course Descriptions

MLS 101: U.S. Military History I. *2 credit hours*

U.S. Military History is a 2-credit-hour introductory course of the Military Science Program for Kentucky State University structured to give the students an appreciation for the role of the military in the development of our nation. Through historical analysis using the principles of war, students are provided an overview of military operations and policy decisions that have shaped our military establishment.

MLS 102: U.S. Military History II. *2 credit hours*

U.S. Military History II is a 2-credit-hour course structured to give the student an appreciation for the role of the military in the development of our nation. Through historical analysis using the principles of war, students are provided an overview of military operations and policy decisions that have shaped our military establishment.

MLS 201: Civil Military Relations. *2 credit hours*

Civil Military Relations examines the Army as an institution, specifically looking at two levels of the organization. First, the role and relationships of the Army within our democracy are discussed and, second, the Army officer and the unique characteristics and aspects of the military profession are viewed.

MLS 202: Small Unit Tactics. *2 credit hours*

Small Unit Tactics is designed to acquaint the student with the fundamentals of reading a military map and using those map reading skills in developing an appreciation for small-unit tactical operations. A level of expertise in map reading is essential in the conduct of small-unit tactical operations in order to maximize the effectiveness of the unit. Also discussed are the organization, composition and functions of basic military units, leadership, tactical first aid and drill and ceremonies.

MLS 203: Basic Camp Practicum.

3 credit hours

Prerequisites: A student must be physically fit and have two years of college remaining. A course of six weeks' duration conducted during the summer at Ft. Knox, Kentucky is offered as a substitute for the Basic Course (i.e., Military Science 101 and 102 and Military Science 201 and 202). Practical exercises provide the student with the knowledge and skills of basic soldiering.

MLS 301: Leadership and Management I.

3 credit hours

Leadership and Management I is devoted to the understanding and development of basic leadership skills and techniques, training management and instruction, and map reading.

MLS 302: Advanced Tactics.

3 credit hours

Advanced Tactics is devoted to the understanding and development of basic tactical skills required to function in the capacity of a commissioned officer within the military structure. Basic infantry and combined arms team tactics are used to study tactical principles that have a direct bearing on all officers, regardless of their branch assignment. The course focuses on tactics and the mechanics of leadership on a small unit level.

MLS 303: Advanced Camp Practicum.

3 credit hours

Prerequisites: Military Science 301 and 302. A course of six weeks' duration conducted during the summer. Practical exercises are designed to foster growth and maturity and to develop effective performance techniques of tactical, technical and administrative duties as small unit leader.

MLS 341: Leadership and Management II.

3 credit hours

Leadership and Management II directs student attention toward career development in the U.S. Army as a prospective junior officer; presents management guidance on command and staff relationships and responsibilities; acquaints students with the development, coordination and writing of military operations, estimates, plans, orders, and staff studies; introduces student to the military justice system; and provides familiarization with Department of the Army organization.

MLS 342: Command Management.

3 credit hours

Command Management focuses upon career development in the U.S. Army as a prospective officer; introduces students to the enlisted personnel management system, the role of the noncommissioned officer in the Army, outlines tactical operational orders and overlay techniques and procedures; and expounds on current problems in leadership in the Army.

Division of Literature, Languages, and Philosophy

"We must teach students to use their brains, as we must teach ourselves to use our own. We do so by constantly increasing their store of words, particularly by getting them to see the richness of connotation and association that words embody. We do so by initiating them into some understanding of literary forms, so that they will not bring to a lyric poem, for example, the same expectations they bring to a short story. We do so by showing them some of the ways in which the whole corpus of literature is interrelated by recurrent themes, by archetypal patterns, and by conventions. There is truth in the saying that all books come from other books."

Denham Sutcliffe
"The Teacher and Eternity"

Every culture expresses its most profound values and concerns in the form of stories and song, in the form of historical narrative and dramatic ritual, in lyrical expression and imaginative statements. "Syllables govern the world" -- so wrote the 17th century critic and man of letters, John Selden. And indeed, the study of literature includes not only works of the imagination but the whole of our written heritage. It includes the political writings of the *Federalist Papers* and the urgent speeches of Frederick Douglass. It includes historical works such as Gibbon's *Decline and Fall of the Roman Empire*, and the philosophical works of Descartes and John Stuart Mill. It includes the artful imaginings of poets, Romantic and otherwise, and the prose of scientific investigators like Lavoisier or Neils Bohr. Literature includes every form of verbal expression that is valued not simply for the significance of its ideas, but for the particular and diverse ways in which those ideas are expressed.

In this tradition, Kentucky State's Division of Literature, Languages, and Philosophy offers coursework

in periods of literature, in composition and linguistics, on individual authors and genres, in foreign languages, and in philosophy. The Division offers the B.A. degree in English and the B.A. degree in English Education. Academic minors are offered in English, French, and Spanish. Every course offered by the faculty of the Division emphasizes extensive writing assignments, and students are encouraged to take an active part in classroom discussion. Coursework in foreign languages emphasizes both written and spoken communication skills, and efforts are made to confront students with the complex relationships that exist between literary traditions and the historical and cultural contexts out of which these traditions arise. Coursework in philosophy addresses fundamental questions about the nature and possibility of knowledge, problems of ethical value, questions about the nature of reality, and issues that arise in the making and criticism of works of art.

The Major in English

In order to satisfy the requirements for the B.A. degree in English, students must complete a minimum of 24 credit hours in English coursework above the sophomore level. These credit hours must include English 213, 312, 322, 323, 324, 325, 410, and 411, in addition to at least 9 credit hours of electives from English courses at the 300 or 400 level.

Students who have earned less than C in any two English courses below the junior year level will not be permitted to major or minor in English. Further, each student must have the approval of the Chairperson of the Division before officially being accepted as a major or minor in English.

English majors or minors and English Education majors must earn grades of C or better in each course taken in the field. As stated elsewhere in this catalogue, every University student must earn grades of C or better in English 100, English 101 and English 102.

The Minor in English

Students may earn credits to satisfy requirements for an academic minor in English. Requirements include English 211, 213, 312, 322 or 323, 324 or 325, 410, 411, and three credit hours elected from any English course at the 300 or 400 level. These requirements are in addition to English 101 and 102.

The Major in English Education

Students may earn credits to satisfy requirements for a major in English Education. Requirements include

English 101, 102, 211, 213, 312, 322, 323, 324, 325, 410, 411, 433, 450, and at least six credit hours elected from any English, Speech, Communications or Theatre course at the 300 or 400 level. In addition to coursework in the field of English, students are required to satisfy requirements in the field of professional education. These requirements include Education 221, 294, 301, 310, 394, 410, 452, and 494 (Supervised Teaching, 12 credit hours). A further six semester hours of free electives are required, and students are also required to take Speech 200. Finally, in addition to the Liberal Studies Requirements (described elsewhere in this catalogue), English Education majors must take one physical education activity course (in addition, that is, to HED 221, Health and Safety Education).

The Reading Center

A course in Reading Comprehension is required of entering students whose performance on the Reading Placement Test indicates the need for supplementary reading instruction. Comprehension, reading rate, vocabulary, and study skills are topics emphasized. Small group instruction and individual attention is provided. Students may also volunteer to participate in the program of the Reading Center.

The Writing Clinic

The Division supervises a Writing Clinic. Students throughout the University avail themselves of this service. Students are provided with individualized practice in the expression and organization of ideas in written form. In addition, attention is given to the development of skills in oral expression as they relate to the presentation of ideas expressed in writing.

Course Descriptions

ENG 100: Fundamentals of English.

3 credit hours

Required of all freshmen whose scores on the English Placement Test do not warrant enrollment in English 101. Fundamentals of language through careful listening, speaking, and writing are stressed. (Does not count toward any degree requirements.)

ENG 101: English Composition and Rhetoric.

3 credit hours

Prerequisite: A passing grade on the English Placement Test or in English 100. Required of all students who have earned acceptable marks on the English Placement Test. Emphasis is placed on command of the fundamentals of language required for the writing of clear and effective sentences and paragraphs in standard English.

ENG 102: English Composition and Rhetoric.

3 credit hours

Prerequisite: English 101. Continuation of English 101, with the same

attention to fundamentals. Several weeks are devoted to the preparation of a research paper.

ENG 104: College Study Strategies.

3 credit hours

Required of entering freshmen whose performance on the Reading Test warrants reading instruction. Comprehension, rate, vocabulary, and study skills will be studied in depth. One hour weekly devoted to lecture and discussion; two hours weekly devoted to laboratory work which will be an integral part of instruction in the course. (Does not count toward any degree requirements.)

ENG 105: College Study Strategies.

3 credit hours

Prerequisite: English 104. A continuation of English 104, with emphasis on higher-level comprehension, reading rate, vocabulary, and study skills. One hour weekly devoted to lecture and discussion; two hours weekly devoted to laboratory work. (Does not count toward any degree requirements.)

ENG 202: Children's Literature.

3 credit hours

Prerequisites: English 101 and 102. This course does not count toward major or minor requirements in English. A study of literature that is especially suitable for use in the elementary grades with emphasis upon techniques of presenting this literature to young children.

ENG 203: Creative Writing.

3 credit hours

Prerequisites: English 101 and 102. Laboratory course for students who have demonstrated creative writing talent and wish to develop individual interests and creative capacities. Short stories, poetry, formal essays, and student writings will be read and criticized informally by members of the class. One hour weekly devoted to lecture and discussion; two hours weekly devoted to laboratory work.

ENG 211: Introduction to Literature.

3 credit hours

Prerequisites: English 101 and 102. Required of all students for graduation. An introduction to the understanding and enjoyment of the major literary genres: fiction, drama, poetry, essays.

ENG 213: Advanced Composition and English Grammar.

3 credit hours

Prerequisites: English 101 and 102. Required of all English majors and English minors. Practice in exposition, narration, description, and argumentation with emphasis on content, organization, paragraph development, sentence effectiveness, and style. Application of current grammatical theory, critical analysis, and contemporary usage.

ENG 216: Technical Writing.

3 credit hours

Prerequisites: English 101 and 102. Open to all students. Training and practice in written communications -- reports, business letters, memorandums, etc. -- required in business, industry, and government. Emphasis on organization, condensation, adaptation to various audiences, and use of graphic devices to support the written narrative.

ENG 274: Kentucky Literature.

3 credit hours

A new course surveying the literature, chiefly fiction, produced by Kentucky writers. Among the writers whose works are studied are Robert Penn Warren, Harriet Arnow, James Still, James Allen, Gayl Jones, John Fox, Elizabeth Madox Roberts, Jesse Stuart, and Wendell Berry.

ENG 301: Romanticism.

3 credit hours

Prerequisite: English 211. The principles and ideas of Romanticism as expressed by the chief English writers of poetry and prose from 1793 to 1832.

ENG 302: Images of Women in Literature.

3 credit hours

A study of literature by and about women, with particular emphasis on the "woman's role" and her depiction as symbol, myth, and social problem in literature.

ENG 312: World Literature.

3 credit hours

Prerequisite: English 211. This course presents a holistic approach to the study of literature in world cultures. The student is exposed to Western and non-Western literature to fill in the perceived gaps about literary modes. Major works from various cultures are included, as well as lesser-known works. This course broadens students' literary perspectives, strengthens their knowledge of customs and traditions different from their own, and guides them in the comprehension of universal literary concerns and themes.

ENG 303: Victorian Literature.

3 credit hours

Prerequisite: English 211. Concerns works of the principal authors of the Victorian era in relation to the political, intellectual, and social background of the period.

ENG 322: The Foundations of English Literature.

3 credit hours

Prerequisite: English 211. Required of all students majoring in English. Major works by British authors from the Old English Period to the Age of Johnson and consideration of the critical, intellectual, and historical background of each literary period.

ENG 323: English Literature from the Age of Johnson to Recent Times.

3 credit hours

Continuation of English 322. Required of all students majoring in English. English minors must take either this course or English 322.

ENG 324: Survey of American Literature I.

3 credit hours

Prerequisite: English 211. Required of all students majoring in English. A chronological study of major American writers, with due emphasis on political, social, and literary movements.

ENG 325: Survey of American Literature II.

3 credit hours

Prerequisite: English 211. Required of all students majoring in English. A study of modern American writers, with emphasis on political, social, and literary movements.

ENG 332: Journalism.

3 credit hours

Prerequisite: English 211. Theoretical and practical work in gathering, organizing and writing news. Discussion and critical evaluation of current journalistic techniques. Offered in alternate years.

ENG 337: The American Novel.

3 credit hours

Prerequisite: English 211. The study of a few representative novels by

American writers from pre-revolutionary times to the contemporary period.

ENG 341: The English Novel.

3 credit hours

Prerequisite: English 211. The study of a few representative novels by English writers from the time of Defoe to the contemporary period. Offered in alternate years.

ENG 352: Contemporary Literature.

3 credit hours

Prerequisite: English 211. A study of the prose and poetry of England and America since 1900. Offered in alternate years.

ENG 409: Literature of the American Negro.

3 credit hours

Prerequisite: English 211. A consideration of some of the principal essays, poems, plays, short stories, and novels written by American Negroes from Phillis Wheatley to James Baldwin.

ENG 410: Linguistics and History of the English Language.

3 credit hours

Prerequisite: English 211 and 213. Required of all English majors and minors. Introduction to the science of linguistics and the historical development of English grammar, phonology, morphology, and syntax as used in America.

ENG 411: Shakespeare.

3 credit hours

Prerequisite: English 211. Analytical study of Shakespeare's principal plays, with some emphasis upon the Elizabethan background. Required of all students majoring or minoring in English.

ENG 413: Literary Criticism.

3 credit hours

Prerequisite: English 211. Critical positions and techniques of selected major critics studied; experience in application of principles and techniques of criticism to texts, representing major literary genres. Offered in alternate years.

ENG 414: Drama in Stratford and London.

6 credit hours

Prerequisites: English 211 and 312 or consent of the Department of English. An intensive, four-week course taken in England. Lectures by British critics and emphasis on the literary and theatrical aspects of drama.

ENG 419: Techniques of Teaching Composition.

3 credit hours

Prerequisites: English 101 and 102 (English 213 and 410 suggested in addition if student is an undergraduate). Open to teachers working in their Fifth Year program. Covers the methods of teaching junior and senior high school students to write, with emphasis on grammar, the paragraph, the essay, the business letter and the research paper; the remedial situation will also be studied.

ENG 433: Reading and Writing Clinic Practicum.

3 credit hours

Prerequisites: English 101, 102, 213. Required of all English Education majors. Designed to help students identify and correct problems in reading and writing through clinical experience in the Reading and Writing Clinics. To be taken during the student teaching semester.

ENG 450: Adolescent Literature.
3 credit hours

Required of all English Education majors. Designed to help students identify appropriate reading material for adolescents by interest and grade level. Students will also learn bibliographical skills.

Modern Foreign Languages

Coursework in French, Spanish, and German is offered by members of the faculty of the Division of Literature, Languages, and Philosophy. Students may satisfy requirements for an academic minor in either French or Spanish. An academic minor consists of 24 credit hours, including the elementary courses (101 and 102).

Students without previous study of French or Spanish should take courses 101, 102, 201, 202, 203 and 204 in sequence. These courses should be followed by 311, 312, and 313, together with additional coursework in the literature and civilization of the language being studied (for example, in French 301, 302, 322 or 411; and in Spanish 301, 302, 403 or 404).

Challenge examinations are available to students who wish to earn a maximum of 6 credit hours upon successful completion of the examination. Grades of C or better are required to receive academic credit by means of a challenge examination.

A proficiency test is administered by the faculty in order to determine the placement of students in foreign language courses at the University.

Courses in the 100, 200 and 300 series in both French and Spanish are typically offered every year. Continuation courses (101, 102 and 201, 202) may not be taken concurrently. Neither can an advanced or intermediate course be taken prior to completion of the appropriate elementary course. Elementary and intermediate level courses must be taken in sequence, but students may be placed in a more advanced course by means either of the challenge examination or the proficiency examination.

Courses in Masterpieces of Spanish Literature in Translation (Spanish 305) and Masterpieces of French Literature in Translation (French 303) are recommended to students who wish to enlarge their understanding of cultural and literary traditions.

Coursework in foreign languages emphasizes instruction in the fundamentals of grammar, syntax, and pronunciation. An aural/oral approach is followed. Students are encouraged to make active use of the

language under study. Social events are organized for this purpose. In advanced courses, greater attention is given to verbal and written skills in the language. In addition, students work in small seminar groups with faculty. Topics in cultural and literary traditions are considered.

French

Course Descriptions

FRE 101: Elementary French.

3 credit hours

An introductory course to the study of the French language designed to teach beginning students the basic concepts of French pronunciation and sentence structure and the basic vocabulary for understanding, speaking, writing, and reading French on the elementary level. One hour per week in the language laboratory is required.

FRE 102: Elementary French.

3 credit hours

Prerequisite: French 101 or acceptable score on the French Proficiency Test. Continuation of French 101, increasing the skills of listening, speaking, and structural control. More emphasis is placed upon reading activities. Study of more advanced aspects of grammar and reading of graded texts on contemporary life. One hour per week in the language laboratory is required.

FRE 201: Intermediate French.

3 credit hours

Prerequisite: French 102 or acceptable score on French Proficiency Test. Review of fundamentals of French 101-102, with more extensive treatment of sentence structure to integrate comprehension, reading, and writing skills. Short selections from French authors, past and present, and articles from current French newspapers and magazines are used. One hour per week in the language laboratory is required.

FRE 202: Intermediate French.

3 credit hours

Prerequisite: French 201 or acceptable score on Proficiency Test. Continuation of French 201 stressing conversation, reading, and writing. Laboratory practice for one hour per week is required.

FRE 203: French for Communication.

3 credit hours

Prerequisite: French 201-202 or equivalent. A second-level, intermediate course that seeks to develop general skills in oral and written communication beyond the usual review of grammar and reading of intermediate courses. This course stresses communication in daily situations, especially oral practice and the acquisition and use of appropriate vocabulary. It lays the foundation for advanced work in conversation, composition, literature and civilization. Laboratory practice required.

FRE 204: French for Communication.

3 credit hours

Prerequisite: French 203. A continuation, intermediate course which provides additional practice and written work by introducing new practical activities requiring the use of idiomatic French. Laboratory practice required.

FRE 301: Survey of French Literature.

3 credit hours

Prerequisite: French 202. A survey of French literary creation from the earliest documents to 1700 with special emphasis on the classic drama of Corneille, Racine, and Moliere.

FRE 302: Survey of French Literature.

3 credit hours

Prerequisite: French 301. Continuation of French 301. A study of French literature in the 18th, 19th, and 20th centuries with special emphasis on Montesquieu, Rousseau, Voltaire, Balzac, Hugo, Vigny, Flaubert, and some twentieth century writers (Gide, Malraux, St. Exupery, Sartre, Camus).

FRE 311: French Composition.

3 credit hours

Prerequisite: French 202. Frequent practice in the written expression of ideas on topics of contemporary life, with analysis of style, sentence construction, and coherence, and study of idiomatic expressions and special problems of French grammar.

FRE 312: French Conversation.

3 credit hours

Prerequisite: French 202. Practice in the oral use of French through conversations on topics of interest.

FRE 313: French for the Professions.

3 credit hours

Prerequisite: French 203-204. An advanced, more intensive and specialized course that stresses the acquisition of specific, practical skills in oral and written communication in the most common professions: health, business, education, law, criminal justice, social work, diplomacy, government, etc. The student is expected to communicate ideas orally and in writing through practical exercises or activities: class reports, descriptions, technical explanations, letter writing, descriptions of products, interviews, etc. Laboratory practice required.

FRE 322: French Civilization.

3 credit hours

Prerequisite: French 202. The study of modern French civilization since 1700 with special emphasis on the life, culture, ideas and institutions of the twentieth century. The cultural, economic, and political relations between France and the French-speaking nations are studied and evaluated for an understanding of the interaction of native and foreign cultural elements.

FRE 411: Twentieth Century French Novel.

3 credit hours

Prerequisite: French 301 and 302. Study, analysis, and evaluation of ideas, structure, and style in representative novels of Proust, Gide, Malraux, Saint-Exupery, Camus, Sartre, Celine, Robbe-Grillet, Le Clezio, and others, with special consideration of the theme of commitment in the novel.

Spanish

Course Descriptions

SPA 101: Elementary Spanish.

3 credit hours

An introductory Spanish course with emphasis on the spoken

language: pronunciation, grammar, vocabulary building, drills, and readings. Laboratory practice is required for one hour every week.

SPA 102: Elementary Spanish.

3 credit hours

Prerequisite: Spanish 101 or acceptable score on the Proficiency Test. Continuation of Spanish 101 with emphasis on pronunciation, oral expression, and reading. Laboratory practice is required for one hour every week.

SPA 201: Intermediate Spanish.

3 credit hours

Prerequisite: Spanish 101-102, or acceptable score on Proficiency Test. More advanced work on Spanish conversation, composition, reading, and translation. Review of grammar and idioms. Laboratory practice is required for one hour every week.

SPA 202: Intermediate Spanish.

3 credit hours

Prerequisite: Spanish 201 or acceptable score on Proficiency Test. Continuation of Spanish 201 with greater emphasis on conversation, reading, and composition. Laboratory practice is required for one hour every week.

SPA 203: Spanish for Communication.

3 credit hours

Prerequisite: Spanish 201-202. A second-level, intermediate course that follows Intermediate Spanish 202 and seeks to develop in a more advanced way the skills of listening comprehension, speaking, writing and reading beyond the usual review of grammar and reading of intermediate courses. As its counterpart in French, this course stresses the vocabulary and idiomatic expressions needed in daily situations. It lays the foundation for advanced work in conversation, composition, literature, and civilization. Laboratory practice required.

SPA 204: Spanish for Communication.

3 credit hours

Prerequisite: Spanish 203. A continuation, intermediate course, which provides additional oral and written practice by introducing new practical activities requiring the use of idiomatic Spanish. Laboratory practice required.

SPA 301: Survey of Spanish Literature.

3 credit hours

Prerequisite: Spanish 201 and 202, or acceptable score on Proficiency Test. A study of Spanish Literature from its beginning to 1700: formation of the Spanish language, representative writers and works, history of ideas, foreign influences, and significance of Spanish literary productions. Reading and discussion of literary selections and use of tape recordings. Conducted partly in Spanish.

SPA 302: Survey of Spanish Literature.

3 credit hours

Prerequisite: Spanish 301. Continuation of Spanish 301. A study of Spanish literature from 1700 to the contemporary period: Neo-Classicism, Romanticism, Costumbrism, Realist Novel, Naturalism, *Modernismo*, Generation of 1898, and 20th century trends, stressing the evolution of literary genres, ideas, and styles. Reading and discussion of literary selections and use of tape recordings. Conducted partly in Spanish.

SPA 311: Advanced Spanish Composition.

3 credit hours

Prerequisite: Spanish 202. Intensive work involving review of special

grammatical constructions — verbs, idioms, tenses, prepositions, etc. — original compositions, development of ideas, translation, and interpretation of literary passages. Special emphasis is placed on grammatical correctness, on the clear and logical expression of ideas, and on the idiomatic use of natural Spanish.

SPA 312: Advanced Spanish Conversation.

3 credit hours

Prerequisite: Spanish 202. Intensive conversational practice designed to develop fluency, clarity, and precision in the oral expression of ideas. Special emphasis on development of the ability to understand and speak Spanish effectively. Discussions based on social customs, daily situations or experiences, current events, and topics of cultural or academic interest are developed.

SPA 313: Spanish for the Professions.

3 credit hours

Prerequisite: Spanish 203-204. An advanced, more specialized and intensive course that stresses the development of advanced skills in oral and written Spanish needed in the most common professions: health occupations, business, education, law, criminal and police work, social work, diplomacy, government agencies, etc. Laboratory practice required.

SPA 403: Spanish Civilization.

3 credit hours

Prerequisite: Spanish 202. Study of Spanish civilization from 1700 to the present. Special readings and reports. Conducted partly in Spanish.

SPA 404: The Civilization of Ibero-America.

3 credit hours

Prerequisite: Spanish 202. A study of social, economic, cultural, and political life and institutions of Spanish America and Brazil from the pre-Columbian period to the present. Emphasis on the influence of foreign cultures, native problems, and contributions to world civilizations.

German

Course Descriptions

GER 101: Elementary German.

3 credit hours

An introductory course on the fundamentals of German grammar and pronunciation with increasing emphasis on conversation. Graded readings are introduced during the first term for comprehension and conversational practice. Practice in the language laboratory for one hour each week is required.

GER 102: Elementary German.

3 credit hours

Prerequisite: German 101 or acceptable score on the Proficiency Test.

Continuation of German 101. Study of more advanced aspects of grammar and conversation based on graded readings. Although the conversational approach is stressed, there is special practice in composition. Laboratory practice is required for one hour each week.

GER 201: Intermediate German.

3 credit hours

Prerequisites: German 101 and 102 or an acceptable score on the Proficiency Test. A second-year college German course that includes more extensive study of grammar, review of fundamental tenses and verbal construction, literary readings, conversation and composition. Audio-oral practice is especially stressed. One hour per week in the language laboratory is required.

GER 202: Intermediate German.

3 credit hours

Prerequisite: German 201 or an acceptable score on the Proficiency Test. Continuation of German 201. Some review of special grammatical points, more extensive readings, interpretation and discussion in German, and increasing practice in composition and translation. One hour per week in the language laboratory is required.

Philosophy

Course Descriptions

PHI 200: Introduction to Philosophy.

3 credit hours

A study of various modes of critical and systematic inquiry about fundamental questions of existence. The course seeks to develop the ability to question assumptions, to compare value systems, to probe into the structure of reality, to examine the basis and possibility of knowledge, and to analyze the process of reasoning itself. Emphasis is placed on the writings of Plato, Descartes, Locke, Berkeley, Hume, Kant, Hegel, Marx, and Sartre.

PHI 210: Introduction to Logic.

3 credit hours

An introductory study of the art and criticism of reasoning. Attention to formal and informal fallacies, deductive and inductive inferences, analogy, and symbolic logic.

PHI 310: Moral Philosophy.

3 credit hours

An introductory study of traditional theories of ethics, and recent critiques of ethical thinking. Topics considered include the problems of good and evil, determinism, ethical relativism, moral responsibility, and punishment.

Division of Mathematics and Sciences

"Mathematics and the sciences are problems for the educator because they work so well. They must be caught up with. The liberal arts survive more intact in their laboratories than elsewhere in education today."

Mark Van Doren, author of *Liberal Education*
and winner of the Pulitzer Prize in Poetry

Inquiry into the nature of physical phenomena is among the most persistent of human concerns. During the past century, and particularly during the past four decades, its pace has accelerated, its scope dramatically broadened, and its influence upon our civilization has become pervasive. Daily life has obviously been affected by the discoveries and consequences, for better or worse, of technological achievements. But practically all domains of intellectual life have also been affected.

The Division of Mathematics and Sciences maintains that an understanding of the methods and discoveries of mathematics and the sciences is indispensable to every student. Coursework in the Division provides students generally, and major field students in particular, with instruction that addresses fundamental issues in the broad range of scientific inquiry, of which mathematics is the mother language. Students who decide to major in one of the subject areas of the Division undertake more specialized study and research. Major field work in the Division prepares students for further graduate study in the sciences and for a variety of careers, both within and without the broad field of scientific inquiry. Students interested in medicine, dentistry, optometry, or other health-related professions are encouraged to consult with the University's Health Professions advisor and individual members of the Divisional faculty. A program in Allied Health is also provided, and this program is particularly well-suited to students who are considering careers in medical technology, physical therapy, cytotechnology, nuclear medical technology, and community health. Students are encouraged to consult with the University's Allied Health advisor for details of this program.

Biology

Instruction in Biology provides students with a basic

knowledge of the nature of living things, and offers a curriculum dealing with all types of biological problems and organisms. Viruses, bacteria, animals and plants, gene regulation, and theoretical and practical ecology are topics covered. Students are encouraged to master basic principles of scientific inquiry. At the same time, students are encouraged to integrate their studies in biological subjects with related fields of study, both within and without the traditional discipline areas of the sciences and mathematics.

Baccalaureate degree programs are offered in Biology, Biological Health Services, Biology Education, Medical Technology, and provisions exist for preprofessional study in Veterinary Medicine. Students may also undertake work that satisfies requirements for an academic minor in Biology.

Biology Major

In addition to satisfying the University's Liberal Studies Requirements (including Biology 111 and Chemistry 101), the Biology major is required to complete the following courses:

Biology Core Requirements:

Biology 210, 212, 302, 303, 307, 401, 408, 416.

Biology Electives:

At least three Biology electives totaling no less than 11 credit hours selected from Biology 201, 301, 304, 305, 306, 308, 309, 310, 320, 402, 403, 404, 405 or 410.

Mathematics and Sciences Requirements:

Mathematics 110, 120, 201.

Chemistry 102, 201, 202, and 315.

Physics 207 and 208.

Biology majors intending to satisfy requirements for an academic minor in Chemistry may select Chemistry 315 in partial satisfaction of the biology elective requirement for the Biology major.

Biology Minor

In addition to the University's Liberal Studies Requirements (including Biology 111 and Chemistry 101), a biology minor is required to complete the following: (1) 18 credit hours selected from the biology

core requirement, including Biology 210 and 212 (see core requirement list under "Biology Major"); and (2) one additional biology course selected either from the core requirement or the elective list.

Biological Health Sciences

This curriculum is suitable for students wishing to pursue careers in public health and is especially suitable for students preparing for admission into medical school. See the suggested ladder curriculum for degree requirements.

Biology Education

This curriculum leads to certification as a biology teacher in public secondary schools by the Commonwealth of Kentucky. In addition to the Liberal Studies Requirements of the University (including Biology 111, Chemistry 101, and math above Mathematics 100), the following is required: (1) completion of the biology core requirement (see core requirements listed under "Biology Major"); (2) 5-6 credit hours of biology electives (see elective list under "Biology Major"); (3) a support course requirement consisting of a minimum of 12 additional credit hours in math, chemistry (including Chemistry 102), and physics (Mathematics 120 and Physics 201 and 202 are strongly recommended); and (4) a professional education component consisting of 33 credit hours. Consult catalogue listings under Department of Education for additional information regarding admission into teacher education and student teaching.

Students electing to major in Biology Education must receive approval for their plan of study from the Science Education advisor *prior* to the student's making application for admission into the Teacher Education Program.

Allied Health

Allied Health offerings at Kentucky State University include Medical Technology, pre-Physical Therapy, pre-Cytotechnology, pre-Nuclear Medicine and pre-Community Health.

Students who successfully complete the Medical Technology Curriculum are awarded the Bachelor of Science Degree in Medical Technology. This curriculum combines a minimum of three years of university work at Kentucky State University with twelve calendar months of clinical training at an accredited hospital school of Medical Technology. All graduation requirements for the B.S. degree must be met before work is begun at the hospital school of Medical Technology. Kentucky State

University cannot guarantee acceptance into a hospital school of Medical Technology. Affiliated hospital schools are St. Joseph Hospital School of Medical Technology in Lexington, Kentucky and Methodist Hospital School of Medical Technology in Pikeville, Kentucky. Arrangements for individual students to attend non-affiliated hospital schools of Medical Technology can be made.

Preprofessional programs in Cytotechnology and Nuclear Medicine Technology are designed to render students who successfully complete these programs eligible for admission to upper division level programs in the School of Allied Health at the University of Louisville. The preprofessional programs in Physical Therapy and Community Health render the successfully completing student eligible for admission to upper division level programs at the University of Kentucky School of Allied Health.

Veterinary Medicine for Residents of Kentucky

There are no colleges or universities in the Commonwealth of Kentucky offering training in Veterinary Medicine. However, the Kentucky Council on Higher Education administers a Southern Regional Education program in Kentucky through which qualified Kentucky-resident students may be accepted to the Veterinary Medicine schools of Auburn University and Tuskegee Institute. At the beginning of 1984, the Council had contracted for 36 entering spaces annually: 34 at Auburn, 2 at Tuskegee.

Students accepted under the Regional Plan are relieved of the obligation of paying out-of-state fees and their expenses would be identical to those of in-state students.

Formal applications must be filed through the Council on Higher Education which reviews these applications and submits those selected to the Regional Service Institutions for admission approval.

Any student interested in Veterinary Medicine should have completed 80 academic hours of preprofessional training with a minimum grade point average of 2.50; however, preference is given to those students who have satisfied the requirements for the bachelor degree.

Interested students should consult the pre-Veterinary Medicine advisor for further details of the required curriculum.

Suggested Curriculum for Biology Majors

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
BIO 111: Principles of Biology	4	BIO 210: General Zoology	3
MAT 110: Intermediate Algebra	3	BIO 212: General Botany	3
ENG 101: English Composition	3	MAT 120: Precalculus	4
HIS 103: Survey of Civilization	3	ENG 102: Composition	3
SPE 103: Interpersonal Communication	3	ART 130: Introduction to Art	3
	<u>16</u>	or	
		MUS 130: Introduction to Music	3
		PHE Activity	1
			<u>17</u>

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
BIO Elective	3-4	BIO 302: General Microbiology	4
CHE 101: General Chemistry	4	CHE 102: General Chemistry	4
MAT 201: Calculus	5	ENG 211: Introduction to Literature	3
IGS 200: Integrative Studies	3	IGS 201: Integrative Studies	3
	<u>15-16</u>	PHE Activity	1
			<u>15</u>

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
BIO 307: Genetics	3	BIO 303: Human Physiology	4
CHE 201: Organic Chemistry	4	CHE 202: Organic Chemistry	4
PHY 207: Physics for Biology	4	PHY 208: Physics for Biology	4
Computer or Foreign Language	3	Computer or Foreign Language	3
IGS 300: Integrative Studies	3		<u>15</u>
	<u>17</u>		

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
BIO 408 Cell Biology	4	BIO 416: Ecology	3
BIO Elective	3-4	BIO Elective	3-4
CHE 315: Biochemistry	4	BIO 401: Seminar	1
PSY 200: General Psychology		IGS Integrative Studies Elective	3
or		POS 101: American Government	
SOC 203: Sociology	3	or	
Elective	3	ECO 200: Economics	3
	<u>17-18</u>		<u>13-14</u>

**Suggested Curriculum for Biology Majors
Concentrating in Biological Health Science**

Total Credit Hours: 139

FRESHMAN YEAR

Fall Semester
 BIO 111: Principles of Biology 4
 MAT 110: Intermediate Algebra 3
 HIS 103: Survey of Civilization 3
 ENG 101: English Composition 3
 HED 221: Health & Safety 2
 ART 130: Introduction to Art
 or
 MUS 130: Introduction to Music 3
18

Spring Semester
 BIO 210: General Zoology 4
 MAT 120: Precalculus 4
 HED 223: Principles of Health Education 3
 ENG 102: English Composition 3
 SPE 103: Interpersonal Communication 3
17

SOPHOMORE YEAR

Fall Semester
 CHE 101: General Chemistry 4
 MAT 201: Calculus 5
 BIO 301: Human Anatomy 3
 ENG 211: Introduction to Literature 3
 IGS 200: Integrative Studies I 3
18

Spring Semester
 CHE 102: General Chemistry 4
 ECO 200: Survey of Economics
 or
 POS 101: American Government 3
 BIO 302: General Microbiology 4
 BIO 109: Introduction to Allied Health 3
 IGS 201: Integrative Studies II 3
17

JUNIOR YEAR

Fall Semester
 CHE 201: Organic Chemistry 4
 PHY 207: Physics for Biology 4
 BIO 307: Genetics 3
 IGS 300: Integrative Studies 3
 COS Computer Science 3
17

Spring Semester
 CHE 201: Organic Chemistry 4
 PHY 208: Physics for Biology 4
 FNU 104: Basic Nutrition 3
 IGS 301: Integrative Studies
 or
 IGS 400: Integrative Studies 3
 COS Computer Science 3
17

SENIOR YEAR

Fall Semester
 BIO 404: Hematology 4
 BIO 405: Medical Microbiology 4
 CHE 315: Biochemistry 4
 FNU 403: Community Nutrition 3
 PSY 200: General Psychology 3
18

Spring Semester
 BIO 403: Immunology 3
 BIO 304: Embryology 4
 BIO 220: Medical Terminology 2
 HED 260: Community Health 3
 BIO 303: Human Physiology 4
 BIO 401: Seminar 1
17

Suggested Curriculum for Biology Education Majors

FRESHMAN YEAR

Fall Semester		Spring Semester	
BIO 111: Principles of Biology	4	BIO 210 General Zoology	3
MAT 110: Intermediate Algebra	3	BIO 212: General Botany	3
ENG 101: English Composition	3	MAT 120: Precalculus	4
HIS 103: Survey of Civilization	3	ENG 102: English Composition	3
SPE 103: Interpersonal Communication	3	ART 130: Introduction to Art	
	<u>16</u>	or	
		MUS 130: Introduction to Music	3
		PHE Activity	<u>1</u>
			17

SOPHOMORE YEAR

Fall Semester		Spring Semester	
CHE 101: General Chemistry	4	BIO 302: General Microbiology	4
PSY 200: General Psychology	3	CHE 102: General Chemistry	4
IGS 200: Integrative Studies I	3	POS 101: American Government	
ENG 211: Introduction to Literature	3	or	
EDU 294: Introduction to Teaching	2	ECO 200: Survey of Economics	3
HED 221: Health and Safety	2	EDU 221: Human Development	3
	<u>17</u>	IGS 201: Integrative Studies II	<u>3</u>
			17

JUNIOR YEAR

Fall Semester		Spring Semester	
BIO 307: Genetics	3	BIO 303: Human Physiology	4
PHY 207: Physics for Biology	4	PHY 208: Physics for Biology	4
COS Computer Language	3	COS Computer Language	3
EDU 301: Educational Psychology	3	BIO 416: Ecology	3
IGS 300: Integrative Studies	3	BIO 401: Seminar	1
	<u>16</u>	EDU 310: Intro. to Exceptional Education	<u>3</u>
			18

SENIOR YEAR

Fall Semester		Spring Semester	
BIO 408: Cell Biology	4	EDU 394: Clinical Experience in Teaching	4
BIO Electives	5-6	EDU 494: Supervised Teaching	<u>12</u>
EDU 452: Fund. & Admin. of Secondary Ed.	3		16
EDU 410: Methods of Teaching Science	3		
IGS 301: Integrative Studies			
or			
IGS 400: Integrative Studies	<u>3</u>		
	18-19		

Suggested Medical Technology Curriculum

Total Credit Hours: 142-144

FRESHMAN YEAR

Fall Semester		Spring Semester	
ENG 101: English Composition	3	ENG 102: English Composition	3
MAT 110: Intermediate Algebra	3	MAT 120: Precalculus	4
BIO 111: Principles of Biology	4	BIO 210: General Zoology	3
CHE 101: General Chemistry	4	CHE 102: General Chemistry	4
HIS 103: Survey of Civilization	3	BIO 109: Introduction to Allied Health	3
	<u>17</u>	HED 221: Health & Safety	<u>2</u>
			19

SOPHOMORE YEAR

Fall Semester		Spring Semester	
CHE 201: Organic Chemistry	4	CHE 202: Organic Chemistry	4
PSY 200: General Psychology	4	BIO 302: General Microbiology	4
IGS 200: Integrative Studies I	3	IGS 201: Integrative Studies II	3
COS Computer Science	3	COS Computer Science	3
ENG 211: Introduction to Literature	3	SPE 103: Interpersonal Communication	3
*Limited elective	<u>3-4</u>		<u>17</u>
	19-20		

JUNIOR YEAR

Fall Semester		Spring Semester	
CHE 315: Biochemistry	4	BIO 310: Clinical Lab. Tech.	4
BIO 404: Hematology	4	BIO 403: Immunology	3
BIO 405: Medical Microbiology	4	ECO 200: Survey of Economics	
IGS 300: Integrative Studies	3	or	
ART 130: Introduction to Art		POS 101: American Government	3
or		IGS 301: Integrative Studies	
MUS 130: Introduction to Music	<u>3</u>	or	
	18	IGS 400: Integrative Studies	3
		*Limited elective	<u>3-4</u>
			16-17

SENIOR YEAR

Fall Semester		Spring Semester	
Clinical Practicum	18	Clinical Practicum	18
*Limited Elective Choices:			
BIO 301: Human Anatomy	3	CHE 203: Quantitative Analysis	4
BIO 307: Genetics	3	CHE 314: Instrumental Analysis	4
BIO 303: Human Psychology	4		
BIO 309: Parasitology	4		

Course Descriptions

BIO 101: Life Science.

3 credit hours

A general study of biological concepts of living organisms. Emphasis is placed on cellular physiology, genetics, ecology and evolution. This course meets the University Liberal Requirements in biology for nonmajors. Two hours of lecture, two hours of laboratory per week.

BIO 107: Anatomy and Physiology.

4 credit hours

A study of the structure and function of various body systems with emphasis on the skeletal, muscular and nervous mechanisms. Adapted to the needs of nursing students. Three hours of lecture, two hours of laboratory per week.

BIO 108: Anatomy and Physiology.

4 credit hours

A continuation of Biology 107 with emphasis on the circulatory, respiratory, digestive, urinary, endocrine and reproductive systems. Three hours of lecture, two hours of laboratory per week.

BIO 109: Introduction to Allied Health.

3 credit hours

In-depth study of the allied health professional as a member of the health care team. Class activities are designed to stimulate the student to relate philosophical concepts and values underlying the health professions. The student will be introduced to the realities of preparation for and practice in specific professions, and will identify individual resources with which to deal with these issues. Three hours of lecture per week.

BIO 111: Principles of Biology.

4 credit hours

The analysis of some of the fundamental concepts that underlie and unify living things. Emphasis will be placed on major principles of cellular anatomy and physiology, reproduction and development, genetics, ecology and evolution. Two hours of lecture/discussion, four hours of laboratory per week.

BIO 112: Exploration of Modern Topics in Biology.

3 credit hours

Prerequisite: Biology 101. Course includes formal presentations and colloquia with directed and independent studies on biological topics of current interest. Concise overviews will be presented on the diversity of living things, evolution, and life processes. This course is designed to fulfill three semester hours of science in the University's Liberal Studies Requirements. Three hours of lecture per week.

BIO 201: Environmental Biology.

3 credit hours

Prerequisite: Freshman biology or consent of instructor. Offered especially for the nonbiology major, this course will consider the problems of satisfying modern man's needs while maintaining a healthful and productive biosphere. Topics include food production, energy resources, resources needed for social needs, waste disposal, man's population biology, and problems encountered in pollution abatement. Offered spring semester of odd-numbered years.

BIO 204: Fundamentals of Microbiology.

3 credit hours

A course adapted to the needs of prenursing students. It familiarizes the student with morphological characteristics and physiological activities of

microorganisms. Emphasis will be given to such topics as: infection by microbes, body's immune system, pathogens and parasites. Two hours of lecture, two hours of laboratory per week.

BIO 210: General Zoology.

3 credit hours

Prerequisite: Biology 111. An introduction to the animal world, including taxonomy, and diversity of kind; morphological and physiological organization of representatives of various phyla; and evolutionary relationships among phyla. Two hours of lecture, two hours of laboratory per week.

BIO 212: General Botany.

3 credit hours

Prerequisite: Biology 111. An introduction to the plant world, including taxonomy and diversity of kind; morphological and physiological organization of representatives of various divisions; and evolutionary relationships among divisions. Two hours of lecture, two hours of laboratory per week.

BIO 216: Heredity and Society.

3 credit hours

This course is designed for nonscience majors who desire an understanding of genetic and evolutionary thought and the implications and impacts of the sciences of heredity and evolution for human society. Special emphasis is placed upon the social, political and psychological ramifications of the biological principles governing heredity. Three hours of lecture, discussions and demonstrations. Offered depending on student demand.

BIO 220: Medical Terminology.

2 credit hours

Designed to review common terms used in the medical professions.

BIO 301: Human Anatomy.

3 credit hours

Prerequisite: Biology 111 or 107 and 108. A presentation of the structure of the human body, detailing the anatomy of cellular structures found in the organism on both the microscopic and macroscopic level. Attention will be given to investigating the anatomical configuration of cells and tissues forming the neural, muscular, renal, circulatory, respiratory, digestive, skeletal and reproductive systems. Two hours of lecture, one 2-hour laboratory per week.

BIO 302: General Microbiology.

4 credit hours

Prerequisites: Biology 111 and Chemistry 101 and 102 (concurrent) or consent of instructor. A presentation of modern microbiology, including the morphology, classification, distribution and physiology of bacteria, viruses, and other microorganisms in industry and the environment. Laboratory will emphasize aseptic technique, staining, cultivation, identification and control of bacteria. Three hours of lecture, three hours of laboratory per week.

BIO 303: Human Physiology.

4 credit hours

Prerequisites: Biology 210 and Chemistry 101 and 102; Physics 207 and 208 are recommended. General treatment of function and activity in the human body, stressing the individual behavior of cells, tissues, organs, and systems in relation to each other, and in the coordinated activity of contractility, conductivity, respiration, translocation of materials and other problems in physiology. Two hours of lecture, four hours of laboratory per week.

BIO 304: Vertebrate Embryology.

4 credit hours

Prerequisite: Biology 111 or permission of instructor. A broad overview of the morphological and functional aspects of vertebrate development. Lectures cover morphological and developmental aspects of embryology including genetic and molecular mechanisms. The comparative developmental anatomy of the starfish, frog, chick, and pig are studied in laboratory. Two hours of lecture, four hours of laboratory per week.

BIO 305: Comparative Vertebrate Anatomy.

4 credit hours

Prerequisite: Biology 210. A consideration of the relationships of vertebrate groups; the structure and significance of various organs and systems of typical vertebrates, along with discussions of the history and habitats of the various groups. Two hours of lecture, four hours of laboratory per week.

BIO 306: Invertebrate Zoology.

3 credit hours

Prerequisite: Biology 111. A comprehensive study of life histories, physiology and evolution of invertebrate organisms with considerable emphasis on independent research. One hour of lecture, four hours of demonstration and experimentations per week. Offered depending upon student demand.

BIO 307: Genetics.

3 credit hours

Prerequisite: Junior level classification. A study of the laws and principles of heredity and variation as they relate to plants and animals with special reference to their applications to mankind. Evaluations of biochemical, biometrical, cytological and embryological investigations will be employed to review molecular biology. Two hours of lecture/discussion/demonstration and 2 hours of laboratory per week.

BIO 308: Microtechnique and Histology.

4 credit hours

Prerequisite: Biology 111. Primarily a laboratory course devoted to preparation of tissues for microscopic study. Lectures offer an introduction to microscopic anatomy and theory of techniques and microscopic methods. Two hours of lecture, four hours of laboratory per week.

BIO 309: Parasitology.

4 credit hours

A study of epidemiology, pathology, diagnoses and control of parasites of man and other animals. Two 1-hour lectures and two 2-hour laboratory sessions per week.

BIO 310: Clinical Laboratory Techniques.

4 credit hours

A course designed to integrate theoretical knowledge and practical application in a simulated clinical laboratory. Emphasis on medical laboratory statistics and quality control, clinical chemistry methodology, and instrumentation. The student will also be required to apply basic educational principles.

BIO 320: Plant Physiology and Development.

4 credit hours

Prerequisites: Chemistry 201 and 202 or consent of the instructor. A course with discussions and experiments on plant-water relations, mineral nutrition, enzyme function, carbohydrate metabolism and photosynthesis. Special emphasis will be given to the developmental

aspect of plant growth, differentiation and flowering and their control by plant growth substances, light and temperature. Two hours of lecture, three hours of laboratory per week. Offered depending upon student demand.

BIO 401: Biology Seminar.

1 credit hour

Prerequisite: Upper-division standing required, senior standing recommended. A seminar course designed for providing information and discussion on current biological research by faculty and visiting scientists and to promote in-depth study and presentations of current biological topics of interest by student enrollees. One hour seminar per week.

BIO 402: Principles of Radiation Sciences.

4 credit hours

Prerequisite: One year each of biological science, chemistry, mathematics and the permission of the instructor. An introduction to radiation physics, radiation chemistry and the use of radio-isotopes as an investigative tool. A good portion of the course is devoted to the biological effects of ionizing radiation and to its practical applications. Laboratory sessions emphasize the use of instruments in measuring radiation, and the use of radio-isotopes in biochemical analysis and investigation. Two hours of lecture, four hours of laboratory period per week.

BIO 403: Immunology.

3 credit hours

An introductory study of the development of the immune system, immunoglobulin structure, antigenicity, antigen-antibody reactions, phylogeny of immune responses and theories of antibody formation. Special attention is given to immunity to bacterial and viral infections, allergies and graft-host reactions. Three 1-hour lectures/discussions/demonstrations per week.

BIO 404: Hematology.

4 credit hours

A comprehensive study of the blood system including the hematopoietic systems and disorders of the blood in humans. Two 1-hour lectures, two 2-hour laboratories per week.

BIO 405: Medical Microbiology.

4 credit hours

Prerequisite: Biology 302. Lecture and laboratory work in pathogenic bacteriology, virology, mycology, and parasitology. Emphasis will be placed on etiology, epidemiology, identification, and clinical diagnosis of pathogens. Three hours of lecture, three hours of laboratory per week.

BIO 406: Cell Biology.

4 credit hours

Prerequisite: Biology 111 and Chemistry 201 and 202. A combined lecture-laboratory course covering cell structure and chemistry as it relates to cell function and various biological processes. Three hours of lecture, two hours of laboratory per week.

BIO 410: Special Problems in Biology.

1-4 credit hours

Prerequisite: Permission of the instructor. A course in which advanced biology students who demonstrate ability and interest in the field pursue an independent experimental or library research project under the guidance of the instructor. Hours arranged.

BIO 416: Ecology.
3 credit hours

Prerequisite: Biology 101 or 111 or consent of instructor. A study of the interrelationships of living organisms and their environment. This course draws from several disciplines and stresses concepts of modern ecology.

BIO 290, 390, 490: Biological Practicum.
3-12 credit hours

An on-the-job work experience in the biological sciences (Cooperative Education) or clinical practice (Medical Technology). Approval of Department.

Chemistry

Instruction in Chemistry is concerned with the composition and structure of matter, and with the equilibrium and kinetic laws that govern its transformations. Coursework considers both experimental and theoretical topics and emphasizes their interdependence.

An academic major and an academic minor are offered in Chemistry. In addition, Divisional faculty in the field offer instruction for students who major in other areas of scientific study or other subject areas of the University.

Chemistry Major

In addition to satisfying the University's Liberal Studies Requirements, the Chemistry major is required to complete the following courses:

Chemistry 101, 102, 201, 202, 203, 307, 308, 312, 314, and 315

Additional coursework in Chemistry is recommended.

Mathematics 110 (Liberal Studies Requirements), 120, 201, 202, and two upper-division courses in mathematics

Physics 211 and 212

As listed, these requirements incorporate the requirements for an academic minor in mathematics.

Chemistry Minor

Requirements for the academic minor in Chemistry include: Chemistry 101, 102, 201, 202, and two courses selected from Chemistry 203, 307, 312, and 315.

Second Major in Chemistry

Students majoring in a field other than Chemistry may satisfy requirements for a second major in Chemistry.

These requirements include: Chemistry 101, 102, 201, 202, 203, 307, 308, 312, 313, 314, and 315; Mathematics 110, 120, 201, and 202; and Physics 211 and 212.

Chemical Engineering

Students interested in the program in chemical engineering should refer to the section describing Double Degree Engineering Programs.

Course Descriptions

CHE 101: General Chemistry I.

4 credit hours

This course is an introduction to the fundamental laws and theories of chemistry. Topics include units of scientific measurement, atomic structure and chemical bonding, chemical calculations, the states of matter, and solutions. Lecture 3 hours per week, laboratory 3 hours per week.

CHE 102: General Chemistry II.

4 credit hours

Prerequisite: Chemistry 101 or equivalent. A continuation of Chemistry 101, including topics such as kinetics, equilibria, nuclear chemistry, thermochemistry, electrochemistry, descriptive chemistry, and organic chemistry. Lecture 3 hours per week, laboratory 3 hours per week.

CHE 109: Survey of General Chemistry.

4 credit hours

This course partially fulfills the Liberal Studies Requirements and is structured to cover the basic principles of general chemistry for students in home economics, nursing, industrial arts, and in other fields. Science and engineering majors are not admitted, and credit for this course does not count toward a major or minor in chemistry. Lecture 4 hours weekly.

CHE 200: Survey of Basic Organic Chemistry.

4 credit hours

Prerequisite: Chemistry 109. The course is designed to cover the basic classification of organic compounds, their reactivities, and structural relationships. Emphasis is placed on biologically active compounds related to medicinal and nutritional aspects of organic chemistry. Credit for this course cannot be applied toward a major or minor in chemistry. Lecture 4 hours per week.

CHE 201: Organic Chemistry I.

4 credit hours

Prerequisite: Chemistry 102. The course deals with the chemistry of carbon compounds. Emphasis is placed on the molecular orbital representations of organic molecules, reaction mechanisms, and an introduction to the use of ultraviolet, infrared, and nuclear magnetic resonance spectroscopy in the identification of organic compounds. Lecture 3 hours per week, laboratory 3 hours per week.

CHE 202: Organic Chemistry II.

4 credit hours

Prerequisite: Chemistry 201. A continuation of Chemistry 201, which covers the reactions of aromatics, amines, alcohols, phenols, carbonyls, carboxylic acids, and polyfunctional organic molecules. The course includes a mechanistic approach to reactions along with instrumental methods of functional group determination. Lecture 3 hours, laboratory 3 hours.

CHE 283: Quantitative Analysis I.

4 credit hours

Prerequisite: Chemistry 102. This course covers the fundamental theory and practice of volumetric and gravimetric analysis. The laboratory work is concerned with the preparation of standard solutions for the analysis of salts, alloys, and ores. The techniques of volumetric, gravimetric, and electrochemical methods are taught. Lecture 2 hours per week, laboratory 4 hours per week.

CHE 301: Qualitative Organic Analysis.

4 credit hours

Prerequisite: Chemistry 202. A continuation of the study of Organic Chemistry with emphasis on the identification and characterization of organic compounds by laboratory and instrumental methods. Lecture 2 hours per week, laboratory 4 hours per week.

CHE 307: Physical Chemistry I.

4 credit hours

Prerequisites: Mathematics 201 and Chemistry 203 (or concurrently). An introduction to the theory and application of thermodynamics, molecular kinetics, and chemical kinetics. Lecture 3 hours per week, laboratory 3 hours per week.

CHE 308: Physical Chemistry II.

4 credit hours

Prerequisite: Chemistry 307. A continuation of Chemistry 307. Emphasis is on an introduction to quantum mechanics, statistical mechanics, and molecular spectroscopy. Lecture 3 hours per week, laboratory 3 hours per week.

CHE 312: Inorganic Chemistry.

4 credit hours

Prerequisites: Chemistry 101 and 102. This advanced course in systematic inorganic chemistry is considered from the standpoint of periodicity and electronic structure. Current topics include bonding theory, acid-base theories, reactions in nonaqueous media, and transition metal coordination chemistry. Lecture 4 hours per week.

CHE 314: Instrumental Analysis.

4 credit hours

Prerequisite: Chemistry 202. This course includes the theory and modern methods of instrumental analysis, with emphasis on spectrophotometric, chromatographic, and electroanalytical techniques. Lecture 2 hours per week, laboratory 4 hours per week.

CHE 315: Biochemistry I.

4 credit hours

Prerequisite: Chemistry 202 (Chemistry 307 recommended). An introductory treatment of amino acids, proteins, enzymes, carbohydrates, and lipids. Selected topics on major metabolic pathways, cell structure, and enzyme action are treated. Lecture 3 hours per week, laboratory 3 hours per week.

CHE 316: Biochemistry II.

4 credit hours

Prerequisite: Chemistry 315. A study is made of metabolic utilization of carbohydrates, triglycerides, fatty acids, and steroids in health and disease. The roles of enzymes and hormones, oxidative phosphorylation, photosynthesis, nucleic acids, and nucleotides are explained. Protein synthesis and enzyme activity are treated. Lecture 3 hours per week, laboratory 3 hours per week.

CHE 401: Undergraduate Research.

4 credit hours by arrangement

This course is designed to give Chemistry majors an opportunity to conduct independent research, using techniques in synthesis, analysis, and applications of basic chemical theory. Open to juniors and seniors who show promise in the field; admission only by Area Coordinator.

CHE 402: Undergraduate Research.

Credit by arrangement (limited to 4 credit hours)

A continuation of Chemistry 401.

CHE 408: Inorganic Preparation.

4 credit hours

Prerequisites: Chemistry 101 and 102. This is an introduction to the preparation and characterization of inorganic compounds. Syntheses are selected to demonstrate inorganic preparation, purification, and handling techniques. Typical laboratory techniques are applied to the compounds prepared. Lecture 2 hours per week, laboratory 4 hours per week.

Mathematics and Physics

Knowledge of mathematical facts together with a capacity for mathematical thinking is indispensable to satisfactory understanding in every scientific field. This observation is obviously the case for the physical sciences, but it is also true for the biological sciences and most of the social sciences. Even the disciplines of the humanities are influenced by the traditions of mathematical knowledge. Certainly, mathematical skills are central to the development of critical thinking and expression.

Coursework in mathematics and physics allows students to satisfy requirements for the baccalaureate degree in mathematics and mathematics education. An academic minor in physics is also offered. Courses are designed to integrate theoretical and practical topics. Students enrolled in the Double Degree Program in Engineering, a cooperative program with the University of Kentucky, undertake the majority of their coursework at Kentucky State in mathematics and physics. Details of this program are provided in the section following.

Placement Test

All students entering Kentucky State University are given a Mathematics Placement Test. On the basis of test scores, students are placed in the basic first year mathematics courses.

Major in Mathematics

The requirements for a major in mathematics are two

semesters of a computer language; Physics 211 and 212; and Mathematics 201, 202, 301, 401, 403, 402 or 404 and four additional courses selected from Mathematics 206, 303, 307, 315, 321, 402, 404, 411, and 460. On the basis of his or her Placement Test scores, a student may also be required to complete one or more of the Mathematics 100, 110, and 120 courses.

Major in Mathematics Education

The requirements for a major in mathematics education are two semesters of a computer language; Physics 211 and 212; Psychology 200; Education 221, 294, 301, 310, 394, 410, 452, 494; and Mathematics 201, 202, 206, 301, 307, 401, 403, and two additional courses selected from Mathematics 303, 315, 321, 402, 404, 411, and 460. On

the basis of his or her Placement Test scores, a student may also be required to complete one or more of the Mathematics 100, 110, and 120 courses. Students who complete this program are certified to teach mathematics in Kentucky secondary schools.

Minor in Mathematics

The courses required for a minor in mathematics are Mathematics 201, 202, 301, and two additional upper-division mathematics courses.

Minor in Physics

The courses required for a minor in physics are Physics 211, 212, 311 or 312, 320, 340, and 361.

Suggested Curriculum for Mathematics Education Majors

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
*MAT 110: Intermediate Algebra	3	ECO 200: Survey of Economics	
BIO 101: Life Science	3	or	
HIS 103: Survey of Civilization	3	POS 101: American Government	3
COS Computer Language	3	*MAT 120: Precalculus	4
PHE Activity	1	COS Computer Language	3
	<hr/> 16	ART 130: Introduction to Art	
		or	
		MUS 130: Introduction to Music	3
		PHE Activity	1
			<hr/> 17

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
MAT 201: Calculus & Analytic Geometry	5	MAT 202: Calculus & Analytic Geometry	5
ENG 211: Introduction to Literature	3	MAT 206: Modern Geometry	3
EDU 294: Introduction to Teaching	2	EDU 221: Human Growth: Dev. Psychology	3
PSY 200: General Psychology	3	SPE 103: Interpersonal Communication	3
IGS 200: Integrative Studies I	3	IGS 201: Integrative Studies II	3
HED 221: Health & Safety	2		<hr/> 17
	<hr/> 18		

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
MAT 301: Multivariate Calculus	3	**Math Elective	3
MAT 307: Linear Algebra	3	**Math Elective	3
PHY 211: General Physics	4	EDU 310: Intro. to Exceptional Children	3
EDU 301: Educational Psychology	3	PHY 212: General Physics	4
IGS 300: Integrative Studies	3	IGS 301: Integrative Studies	
	<hr/> 16	or	
		IGS 400: Integrative Studies	3
			<hr/> 16

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
MAT 401: Modern Algebra	3	EDU 394: Clinical Experience in Teaching	4
MAT 403: Real Analysis	3	EDU 494: Supervised Teaching	12
EDU 410: Methods of Teaching Math	3		<hr/> 16
EDU 452: Admin. & Fund. of Secondary School	3		
Elective	3		
	<hr/> 15		

*May be bypassed via Mathematics Placement Test.

**Mathematics electives must be selected from Mathematics 303, 315, 321, 402, 404, 412, and 460.

Course Descriptions

MAT 100: Fundamentals of Mathematics.

3 credit hours

Required of all freshmen whose scores on the Mathematics Placement Test do not warrant enrollment in Mathematics 110 or 120. Whole numbers, signed numbers, rational numbers, decimals, percentages, linear equations, squares and square roots, formulas, geometric formulas, ratio and proportion, unit conversions, and applications are considered. (Does not count toward any degree requirements.)

MAT 103: Foundations of Mathematics for Elementary Teachers.

3 credit hours

Prerequisite: Two units of high school mathematics. The nature of mathematics and the role of mathematics in our culture. Sets, whole number systems, numeration systems, bases, non-negative rational numbers, introduction to negative rational numbers. Special attention to the needs of elementary school teachers.

MAT 104: Foundation of Mathematics for Elementary Teachers.

3 credit hours

Prerequisite: Mathematics 103. Continuation of Mathematics 103. Elementary number theory, modular arithmetic, real systems, and topics from geometry.

MAT 110: Intermediate Algebra.

3 credit hours

Prerequisite: Mathematics 100 or Placement Test. Sets, real numbers, graphs of equations, solutions of simultaneous equations, exponential notation, scientific notation, polynomials, rational expressions, quadratic equations, inequalities, absolute value, and radical expressions are considered. Four hours of lecture per week.

MAT 111: Finite Mathematics.

3 credit hours

Prerequisite: Mathematics 100 or advanced standing on the Math Placement Test. This course is built around the development and application of elementary probability theory. Topics discussed include logic, set theory, permutations and combinations, simple and compound probability, conditional probability hypothesis testing, stochastic processes, and elementary statistics.

MAT 112: Finite Mathematics.

3 credit hours

Prerequisite: Mathematics 100 or advanced standing on the Math Placement test. This course is built around the development and application of linear programming. Topics include analytic geometry, systems of linear equations, matrices, linear programming, matrix games, graphs, and networks.

MAT 120: Precalculus.

4 credit hours

Prerequisite: Mathematics 110 or advanced standing on the Placement Test. Set theory, functions, polynomial and rational functions, circular and trigonometric functions, exponential and logarithmic functions, and complex numbers are presented. Five hours of lecture per week.

MAT 201: Calculus and Analytic Geometry I.

5 credit hours

Prerequisites: Mathematics 110 and 120. This course is an introduction to the calculus of real-valued functions of one real variable. Included is a review of functions; limits of functions, derivatives and definite

integrals of algebraic, exponential and logarithmic functions; applications of the derivative and integral; and conic sections.

MAT 202: Calculus and Analytic Geometry II.

5 credit hours

Prerequisite: Mathematics 201. This course is a continuation of Mathematics 201. Topics included are differentiation and integration of trigonometric and hyperbolic functions; techniques of integration; indeterminate forms; improper integrals; Taylor's formula; infinite series; plan curves; polar coordinates; vectors; and analytic geometry in three dimensions.

MAT 206: Modern Geometry.

3 credit hours

Prerequisite: Permission of department. Axiom systems, Euclidean and projective geometries.

MAT 301: Multivariate Calculus.

3 credit hours

Prerequisite: Mathematics 202. Calculus of vector-valued functions; partial differentiation; multiple integrals; curl; surface integrals, and Stokes' theorem are studied.

MAT 303: Differential Equations.

3 credit hours

Prerequisite: Mathematics 202. This course is designed to meet the needs of students of pure and applied mathematics and science. Topics discussed include first order equations, linear equations, the Laplace transform, Picard's existence theorems, and systems of equations.

MAT 307: Linear Algebra.

3 credit hours

Prerequisite: Mathematics 201. Coordinates, vectors, vector spaces, subspaces, Euclidean N-space, determinants, linear transformations, linear transformations and matrices, bilinear and quadratic forms are studied.

MAT 314: Teacher's Arithmetic.

3 credit hours

Prerequisite: Mathematics 104. This course is a review of the essentials of arithmetic, the development of skills, accuracy and methods of teaching fundamentals of arithmetic to pupils in the elementary school.

MAT 315: Numerical Analysis.

3 credit hours

Prerequisite: Mathematics 301. This is a first course in techniques of numerical approximation in analysis and algebra.

MAT 321: Probability and Statistics.

3 credit hours

Prerequisite: Mathematics 202. Probability, random variables, sampling theory, hypothesis testing, correlation and regression are studied.

MAT 401: Modern Algebra I.

3 credit hours

Prerequisite: Consent of instructor. Operations, permutations, groups, isomorphisms, factor groups, Sylow's theorems and applications are discussed.

MAT 402: Modern Algebra II.

3 credit hours

Prerequisite: Mathematics 401. Continuation of Mathematics 401. Rings, integral domains, quotient rings and ideals, extension fields, and vector spaces are studied.

MAT 403: Real Analysis I.

3 credit hours

Prerequisite: Mathematics 301. Real numbers and Euclidean N-space continuous functions, differentiable functions of one and several variables and the Riemann Integral are studied.

MAT 404: Real Analysis II.

3 credit hours

Prerequisite: Mathematics 403. Classical Lebesgues Integral, power series, curves, surfaces, integral theorem, divergence, and theorems of Green and Stokes are discussed including some applications.

MAT 411: Topology.

3 credit hours

Prerequisite: Permission of area. A first course in point-set topology.

MAT 460: Mathematics Seminar.

3 credit hours

Prerequisite: Permission of area. Selected topics for individuals or small groups of students.

Physics

Course Descriptions

PHY 111: Introduction to Physics I.

3 credit hours

Prerequisite: Mathematics 110 (may be taken concurrently). This course is an introduction to mechanics, gravitation, friction, elasticity, heat, and sound. Two hours of lecture and two hours of laboratory per week.

PHY 112: Introduction to Physics II.

3 credit hours

Prerequisite: Physics 111. Corequisite: Mathematics 120. This course is an introduction to electricity, magnetism, light, molecular and atomic physics. Two hours of lecture and two hours of laboratory per week.

PHY 207: Physics in Biological Science I.

4 credit hours

Prerequisite: Mathematics 110 and 120. This course covers rigid body mechanics, gravitation, friction, elasticity, harmonic motion, sound, fluid mechanics, heat transfer, and kinetic theory (with particular consideration) of living systems. Three hours of lecture, two hours of laboratory per week.

PHY 208: Physics in Biological Science II.

4 credit hours

Prerequisite: Physics 207. The continuation of Physics 207, with study of the topics of electricity, magnetism, electrical circuits, light, optical systems, molecular and atomic structure and radiation. Three hours of lecture, two hours of laboratory per week.

PHY 211: General Physics I.

4 credit hours

Prerequisite: Physics 112 or permission of the instructor. Corequisite: Mathematics 201 (may be taken concurrently). The calculus-based description of rigid body mechanics, gravitation, friction, elasticity, fluid mechanics, harmonic motion, sound, thermometry, and heat transfer taught for students of physical science and engineering. Three hours of lecture, two hours of laboratory per week.

PHY 212: General Physics II.

4 credit hours

Prerequisite: Physics 211. Corequisite: Mathematics 202. The continuation of Physics 211 covering electricity, magnetism, electrical circuits and devices, optics, atomic and molecular physics, kinetic theory and radiation physics. Three hours of lecture, two hours of laboratory per week.

PHY 311: Statics.

3 credit hours

Prerequisites: Physics 211 and Mathematics 202. The analysis of gravitational, elastic, and frictional forces in static rigid bodies and structures. Two hours of lecture, two hours of laboratory per week.

PHY 312: Dynamics.

3 credit hours

Prerequisites: Physics 212 and Mathematics 202. The description of single particle, two particle, and rigid body motions and collisions, including parameter resonance and non-linear resonance based on the principle of least action, the conservation laws, the canonical equations, and Hamilton's equations. Two hours of lecture, two hours of laboratory per week.

PHY 320: Thermodynamics.

4 credit hours

Prerequisites: Physics 211 and Mathematics 202. Studies of the equations of state, energy, enthalpy, and entropy of each of several fundamental physical systems and the laws of thermodynamics applied to these systems and to common engines. Three hours of lecture, two hours of laboratory per week.

PHY 340: Electricity and Magnetism.

4 credit hours

Prerequisite: Physics 212. Corequisite: Mathematics 303. The analysis, in terms of vector calculus, of electric and magnetic forces, fields and potentials associated with charge and current in vacuum, in dielectrics, and in conductors; the motion of charged particles and electromagnetic waves, and electrical circuits and devices. Three hours of lecture, two hours of laboratory per week.

PHY 361: Modern Physics.

4 credit hours

Prerequisites: Physics 212 and 320. Corequisite: Mathematics 303. An introduction to the kinetic theory of gases; bonding forces in liquids and solids; statistical thermodynamics; thermal, electrical, and magnetic properties of materials; photon and electron characteristics; atomic and nuclear structures and radiations. Three hours of lecture, two hours of laboratory per week.

Physical Sciences

Course Descriptions

SCI 201 and 202: Introduction to Physical Sciences.

3 credit hours

Either of these courses partially fulfills the Liberal Studies Requirements. General courses through which students will become acquainted with physical phenomena about them and with methods of scientific inquiry through which an intelligent understanding of these phenomena may be obtained.

Double-degree Engineering Program

The Double-degree Engineering Program is a 5-year course of study offered jointly by Kentucky State University and the University of Kentucky. Students in this program attend Kentucky State University for three years of study in the pre-engineering area of his or her choice. The student then transfers to the University of Kentucky for two additional years of work. After the first year at the University of Kentucky the degree of Bachelor of Science in Applied Science is awarded from Kentucky State University. The Bachelor of Science Degree in the student's chosen field of engineering is awarded by the University of Kentucky upon completion of the second year of study at that institution.

The laddered curricula below list the required courses

for pre-engineering students at Kentucky State University and the required courses in their areas of specialization upon transfer to the University of Kentucky, Lexington campus.

The course of study for all first-year students consists primarily of the University's Liberal Studies Requirements required for all degree-seeking students. Second- and third-year courses focus on the student's engineering field, as do fourth- and fifth-year courses at UK. Each engineering area, i.e., electrical, civil, mining, etc., has its own curriculum.

Course descriptions of offerings at the University of Kentucky are available in the UK catalogue.

Suggested Curricula for the Double-degree Engineering Program *Work to be completed at Kentucky State University*

FIRST YEAR (Requirements)			
Fall Semester	Hours	Spring Semester	Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
MAT 110: Intermediate Algebra	3	MAT 120: Precalculus	4
CHE 101: General Chemistry	4	CHE 102: General Chemistry	4
HIS 103: Survey of Civilization	3	ART 130: Introduction to Art	
PSY 200: General Psychology		or	
or		MUS 130: Introduction to Music	3
SOC 203: Sociology	3	ECO 200: Survey of Economics	
PHE Activity	1	or	
	17	POS 101: American Government	3
		PHE Activity	1
			18

Agricultural Engineering

SECOND YEAR			
Fall Semester	Hours	Spring Semester	Hours
MAT 201: Calculus & Analytic Geometry I	5	MAT 202: Calculus & Analytic Geometry II	5
PHY 211: General Physics	4	PHY 212: General Physics	4
BIO 111: Principles of Biology	4	BIO 210: Animal Biology	4
COS Computer Science	3	COS Computer Science	3
IGS 200: Integrative Studies I	3	IGS 201: Integrative Studies II	3
	19		19

THIRD YEAR

Fall Semester	Hours	Spring Semester	Hours
MAT 301: Multivariate Calculus	3	MAT 303: Differential Equations	3
MAT 307: Linear Algebra	3	PHY 340: Electricity & Magnetism	4
PHY 311: Statics	3	PHY 361: Modern Physics	4
PHY 320: Thermodynamics	4	ENG 211: Introduction to Literature	3
INE 101: Drafting Fundamentals	3	IGS 301: Integrative Studies	
IGS 300: Integrative Studies	3	or	
	19	IGS 400: Integrative Studies	3
			17

Work to be completed at the University of Kentucky

FOURTH YEAR

Fall Semester	Hours	Spring Semester	Hours
AEN 100: Surveying	1	AEN 417: Agricultural Machinery	3
AEN 200: Agricultural Engineering Prob.	1	AEN 437: Soil & Water	3
EM 302: Mechanics of Deformable Solids	3	EE Elective	3
EM 303: Deformable Solids Lab	1	ME 325: Elements of Heat Transfer	3
EM 313: Dynamics	3	Technical Elective	1-3
ME 330: Fluid Mechanics	3		13-15
	12		

FIFTH YEAR

Fall Semester	Hours	Spring Semester	Hours
AEN 007: The Engineering Profession	0	Technical Elective	3
AEN 427: Agricultural Structures	3	Technical Elective	3
AEN 447: Processing & Food Engr.	3	Technical Elective	3
Technical Elective	3	Technical Elective	3
Technical Elective	3		12
	12		

Chemical Engineering and Metallurgical Engineering
Work to be completed at Kentucky State University

FIRST YEAR (Same as above)

SECOND YEAR

Fall Semester	Hours	Spring Semester	Hours
MAT 201: Calculus & Analytic Geometry I	5	MAT 202: Calculus & Analytic Geometry II	5
PHY 211: General Physics	4	PHY 212: General Physics	4
CHE 201: Organic Chemistry	4	CHE 202: Organic Chemistry	4
COS Computer Science	3	COS Computer Science	3
IGS 200: Integrative Studies I	3	IGS 201: Integrative Studies II	3
	19		19

THIRD YEAR

Fall Semester	Hours	Spring Semester	Hours
MAT 301: Multivariate Calculus	3	MAT 303: Differential Equations	3
PHY 311: Statics	3	PHY 340: Electricity & Magnetism	4
CHE 307: Physical Chemistry	4	PHY 361: Modern Physics	4
ENG 211: Introduction to Literature	3	CHE 308: Physical Chemistry	4
IGS 300: Integrative Studies	3	IGS 301: Integrative Studies	
	16	or	
		IGS 400: Integrative Studies	3
			18

Chemical Engineering

Work to be completed at the University of Kentucky

FOURTH YEAR

Fall Semester	Hours	Spring Semester	Hours
CME 205: Process Principles I	2	CME 006: The Engineering Profession	0
CME 220: Engineering Thermodynamics	3	CME 210: Process Principles II	2
ENG 203: Writing for Business & Industry	3	CME 412: Staged Mass Transfer Processes	2
ME 330: Fluid Mechanics	3	CME 422: Rate Mass Transfer Processes	3
STA 381: Intro. to Engineering Statistics	3	ME 325: Elements of Heat Transfer	3
	14	MET 201: Materials Science	3
			13

FIFTH YEAR

Fall Semester	Hours	Spring Semester	Hours
CME 007: The Engineering Profession	0	CME 008: The Engineering Profession	0
CME 431: Chemical Engineering Lab I	2	CME 432: Chemical Engineering Lab II	2
CME 455: Chem. Engineering Process Design I	3	CME 456: Chem. Engineering Process Design II	3
CME 550: Chemical Reactor Design	3	CME 462: Process Control	3
CME 570: Chemical Separation & Measurement for Chemical Engineers	3	CME Elective	3
Elective	3	EE 305: Electrical Circuits & Electronics	3
	14		14

Metallurgical Engineering

Work to be completed at the University of Kentucky

FOURTH YEAR

Fall Semester	Hours	Spring Semester	Hours
CME 220: Engineering Thermodynamics	3	EM 302: Mechanics of Deformable Solids	3
ME 330: Fluid Mechanics	3	MET 303: Metals Lab II	2
MET 201: Materials Science	3	MET 362: Structure & Properties of Alloys II	3
MET 302: Metals Lab I	2	MET 371: Seminar	1
MET 361: Structure & Properties of Alloys I	3	MET 442: Extractive Metallurgy	3
	14		12

FIFTH YEAR

Fall Semester	Hours	Spring Semester	Hours
MET 304: Metals Lab III	2	EE 305: Electrical Circuits & Electronics	3
MET 412: Electronic Properties of Materials	3	MET 314: Metallurgical Analysis	2
MET 535: Mechanical Metallurgy	3	MET 538: Deformation Processing	3
MET Elective	3	MET Elective	3
Technical Elective	3	Technical Elective	3
	14		14

Civil Engineering, Mining Engineering,
Electrical Engineering, and Mechanical Engineering
Work to completed at Kentucky State University

FIRST YEAR (Same as above)

SECOND YEAR

Fall Semester	Hours	Spring Semester	Hours
MAT 201: Calculus & Analytic Geometry I	5	MAT 202: Calculus & Analytic Geometry II	5
PHY 211: General Physics	4	PHY 212: General Physics	4
COS Computer Science	3	COS Computer Science	3
ENG 211: Introduction to Literature	3	INE 101: Drafting Fundamentals	3
IGS 200: Integrative Studies I	3	IGS 201: Integrative Studies II	3
	18		18

THIRD YEAR

Fall Semester	Hours	Spring Semester	Hours
MAT 301: Multivariate Calculus	3	MAT 303: Differential Equations	3
MAT 307: Linear Algebra	3	PHY 340: Electricity & Magnetism	4
PHY 311: Statics	3	PHY 361: Modern Physics	4
PHY 320: Thermodynamics	4	*INE 104: Descriptive Geometry	3
IGS 300: Integrative Studies	3	IGS 301: Integrative Studies	3
	16	or	
		IGS 400: Integrative Studies	3
			17

*Not required of electrical engineering and mechanical engineering; these students may take an elective.

Civil Engineering
Work to be completed at the University of Kentucky

FOURTH YEAR

Fall Semester	Hours	Spring Semester	Hours
CE 100: Plane Surveying	3	CE 380: Structural Mechanics	3
CE 101: The Civil Engineering Profession	1	CE 425: Soil Mechanics	3
EM 302: Mechanics of Deformable Solids	3	EM 313: Dynamics	3
EM 303: Deformable Solids Lab	1	ME 330: Fluid Mechanics	3
GLY 240: Elementary Geology for Engineers	4	MET 201: Materials Science	3
	<u>12</u>		<u>15</u>

INTERSESSION
Four-Week Summer School

CE 215: Route, Control & Topographic Surveying 4 hours

FIFTH YEAR

Fall Semester	Hours	Spring Semester	Hours
CE 301: Civil Engineering Materials I	2	CE 371: Seminar	1
CE 340: Transportation Engineering	3	Technical Elective	3
CE 351: Hydraulic Application & Experiments	2	Technical Elective	3
CE 355: Water Quality Engineering	3	Design Elective	3
Technical Elective	3	EE Elective	3
Technical Elective	3		<u>13</u>
	<u>16</u>		

Electrical Engineering
Work to be completed at the University of Kentucky

FOURTH YEAR

Fall Semester	Hours	Spring Semester	Hours
EE 211: Circuits I	3	EE 221: Circuits II	3
EE 467: Electrical & Magnetic Fields	3	EE 222: Electrical Engineering Lab I	3
EM 313: Dynamics	3	EE 420: Electrical Engineering Analysis I	3
MET 412: Electronic Properties of Materials	3	EE 461: Electronic Circuits I	3
	<u>12</u>	EE 462: Electrical Engineering Lab II	2
		EE 468: Fields & Waves	3
			<u>17</u>

FIFTH YEAR

Fall Semester	Hours	Spring Semester	Hours
EE 415: Electromechanics I	3	EE 371: Seminar	1
EE 416: Electrical Engineering Lab III	2	EE 403: Advanced Electrical Engineering Lab I	2
EE 480: Logical Design	3	EE 471: Linear Feedback Control System	3
Technical Elective	3	Technical Elective	3
Technical Elective	3	Technical Elective	3
	<u>14</u>		<u>15</u>

Mechanical Engineering Work to be completed at the University of Kentucky

FOURTH YEAR

Fall Semester	Hours	Spring Semester	Hours
EE 305: Electrical Circuits & Electronics	3	EM 302: Mechanics of Deformable Solids	3
ENG 203: Writing for Business & Industry	3	EM 313: Dynamics	3
ME 151: Manufacturing Engineering	3	ME 310: Engineering Experimentation I	3
ME 321: Engineering Thermodynamics II	3	MET 201: Materials Science	3
ME 330: Fluid Mechanics	3		<u>12</u>
	<u>15</u>		

FIFTH YEAR

Fall Semester	Hours	Spring Semester	Hours
EE 206: Electrical Circuits & Machinery	3	ME 008: The Engineering Profession	0
ME 007: The Engineering Profession	0	ME 312: Engineering Experimentation III	3
ME 311: Engineering Experimentation II	3	ME 343: Control Theory	3
ME 325: Elements of Heat Transfer	3	ME 371: Seminar	1
ME 344: Mechanical Design	3	Technical Elective	3
Technical Elective	3	Technical Elective	3
	<u>15</u>		<u>13</u>

Mining Engineering Work to be completed at the University of Kentucky

FOURTH YEAR

Fall Semester	Hours	Spring Semester	Hours
CE 100: Plane Surveying	3	GLY 240: Elementary Geology for Engineers	4
EM 302: Mechanics of Deformable Solids	3	ME 330: Fluid Mechanics	3
EM 303: Deformable Solids Lab	1	MIN 332: Mine Plant Machinery	3
ENG 203: Writing for Business & Industry	3	MIN 341: Mine Ventilation	3
MIN 121: Elements of Mining	3		<u>13</u>
	<u>13</u>		

INTERSESSION
Four-Week Summer School

CE 215: Route, Control & Topographic Surveying 4 hours

FIFTH YEAR

Fall Semester	Hours	Spring Semester	Hours
CE 351: Hydraulic Application & Experiments	2	CE 355: Water Quality Engineering	3
CE 380: Structural Mechanics	3	GLY 420: Structural Geology	3
EE 306: Electrical Circuits & Machinery	3	MIN 371: Seminar	1
MIN 322: Coal Preparation	3	MIN 562: Mine Design Project	3
MIN 451: Physical Properties of Rocks	2	Technical Elective	3
MIN 551: Rock Mechanics	3	Technical Elective	3
	<hr/> 16		<hr/> 16

Whitney M. Young Jr. College of Leadership Studies

Reflecting Kentucky State University's commitment to breadth and excellence in learning, the Whitney M. Young Jr. College of Leadership Studies opened in the fall of 1983. Named for the late Whitney M. Young, Jr. — executive director of the National Urban League from 1961 to 1971, distinguished leader of the American civil rights movement, and graduate of Kentucky State University — the College aims to develop in its students those qualities of leadership exemplified by Mr. Young.

Thus the curriculum strives to develop habits of careful reading and listening, of asking questions, of looking twice, and of independent thought that can produce leaders in public life, business, and the professions. Students are encouraged to develop intellectual skills and imagination that are not restricted to any particular training or discipline, and to reach toward the fundamental questions that confront all human beings whatever they do in life.

The College requires all entering students to follow a largely common program based neither on current textbooks nor divided by academic departments, but developed out of enduring works of literature, history, philosophy, theology, mathematics, and science.

All classes proceed by discussion. Class size ranges from 12 to 20.

The Freshman Year

The Seminar, 6 credit hours each semester, is the center of the program. Two instructors and about 15 students gather around a table twice a week in the evening for 2½ hours. Seminars begin with a question and proceed by discussion. There are no introductory remarks or lectures. Every effort is made to promote a direct confrontation between the students and the author. Assignments vary from 25 to 150 pages, depending on the difficulty of the material.

The readings begin with Homer and Plato. They include Greek drama, Thucydides' *History*, and selected works of Aristotle, and then move on to three Roman authors, Lucretius, Virgil, and Marcus Aurelius. The

freshman year concludes with a long sequence from the Bible.

Language, 3 credit hours each semester, meets three times a week for an hour. It is designed to complement the long assignments of Seminar with close analysis of some selections and with intensive work in writing.

Mathematics-Science, 3 credit hours each semester, meets three times a week for an hour with longer meetings scheduled for laboratory exercises. The sequence begins with the first great work in mathematics, Euclid's *Elements*, and continues with Archimedes and Ptolemy and the application of mathematics to the physical world. It then explores the shift from Ptolemy's earth-centered universe to the Copernican solar system.

Elective courses. The remaining 3 to 5 credit hours each semester can be used for elective courses or to begin majors such as business, computer science, English, pre-med, or others at Kentucky State University.

Extracurricular activities. Whitney Young students take part in all activities of the University, such as social and academic clubs, student government, choir, band, and intramural and intercollegiate sports.

The Sophomore Year

The Seminar, 6 credit hours each semester, begins with medieval writers, Augustine, Thomas Aquinas, Dante, and Chaucer and goes on to Luther and Descartes. The readings include 10 of Shakespeare's plays and a series of political writers—Machiavelli, Hobbes, and Locke—and the American *Constitution* and *Federalist Papers*. They also include works of fiction, such as *Gulliver's Travels* and *Huckleberry Finn*, and end with Darwin, Marx, Nietzsche, and Freud.

Language, 3 credit hours each semester, continues the pattern of freshman year with close reading of selected seminar texts together with intensive work in writing. The sophomore curriculum adds special attention to English lyric poetry and to short masterpieces of English prose.

Mathematics-Science, 3 credit hours each semester, concentrates on readings and laboratory exercises in physics using Newton, Faraday, Maxwell, and others.

Elective courses, 3 to 5 credit hours each semester.

During their junior and senior year, students may continue some of their work in Whitney Young College while completing a major elsewhere within the University, or they may complete most or all of their baccalaureate degree requirements within Whitney Young College. The curriculum for the junior and senior years had yet to be planned in detail at the time this catalogue was published.

Course Descriptions

WYC 101: Great Books Seminar I.

6 credit hours

Readings from Homer, Aeschylus, Sophocles, Plato, Aristophanes, Thucydides, and Aristotle.

WYC 102: Great Books Seminar II.

6 credit hours

Prerequisite: Whitney Young College 101. Readings from Plato, Aristotle, Euripides, Lucretius, Virgil, Marcus Aurelius, and the Bible.

WYC 111: Language I.

3 credit hours

Rhetoric and composition. Uses concurrent Seminar texts as material for writing exercises and essays. Includes close analysis of selected passages and related works to complement the longer readings in Seminar.

WYC 112: Language II.

3 credit hours

Prerequisite: Whitney Young College 111. Continuation of rhetoric and composition with close reading of selected materials related to Seminar.

WYC 121: Mathematics-Science I.

3 credit hours

Euclid's *Elements*. Properties of straight lines, triangles, and circles;

application of areas; theories of ratio and number; and the problem of incommensurable magnitudes.

WYC 122: Mathematics-Science II.

3 credit hours

Prerequisite: Whitney Young College 121. Readings from Archimedes with laboratory exercises. Outline of Ptolemaic astronomy and the shift to Copernicus.

WYC 201: Great Books Seminar III.

6 credit hours

Prerequisite: Whitney Young College 102. Readings from St. Augustine, Thomas Aquinas, Dante, Chaucer, Shakespeare, Machiavelli, Luther, and Descartes.

WYC 202: Great Books Seminar IV.

6 credit hours

Prerequisite: Whitney Young College 201. Readings from Hobbes, Locke, Adam Smith, Swift, American political documents, Mark Twain, Darwin, Marx, Nietzsche, and Freud.

WYC 211: Language III.

3 credit hours

Prerequisite: Whitney Young College 112. Advanced rhetoric and composition with close reading of selected materials related to Seminar. Special attention to English lyric poetry.

WYC 212: Language IV.

3 credit hours

Prerequisite: Whitney Young College 211. Continuation of advanced rhetoric and composition with close reading of selected materials related to Seminar. Special attention to English lyric poetry.

WYC 221: Mathematics-Science III.

3 credit hours

Prerequisite: Whitney Young College 122. Early modern physics. Readings from Galileo, Newton, Huygens, and others. Laboratory exercises.

WYC 222: Mathematics-Science IV.

3 credit hours

Prerequisite: Whitney Young College 221. Early modern physics, continued. Readings in Faraday, Maxwell, and others with laboratory exercises.

The College of Applied Sciences

The College of Applied Sciences offers coursework leading to the baccalaureate degree in the fields of Education, Computer Science, Home Economics, Industrial Education, Social Work/Criminal Justice and Public Affairs. An associate in applied science is also available in several areas.

Baccalaureate programs within the College of Applied Sciences reflect the University's Liberal Studies Requirements. These requirements strengthen all programs within the College, and are compatible with the requirements of the National Council for the Accreditation of Teacher Education (NCATE) and the Kentucky Department of Education. The Integrative Studies requirement addresses the NCATE's multi-cultural standard in general education.

Education, Home Economics, Social Work/Criminal Justice, and Public Affairs programs are geared toward human needs and public services. Programs within the Department of Home Economics focus on the welfare of the family and the improvement of the human environment. Social Work and Criminal Justice programs are designed to prepare students to help remedy social problems of individuals and groups. The teacher education program within the Department of Education prepares its students for careers as teaching professionals.

Computer Science and Industrial Education programs in addition to addressing the needs of full-time students also emphasize the public service component of the University mission statement. These departments address the needs of students in the service area through a delivery system adapted to the work schedules of students who often maintain full-time employment. The programs provide instruction in the development of highly specialized skills needed by state and local governmental employees.

Department of Computer Science

The Department of Computer science offers courses in

computer science leading to the Associate in Applied Science Degree—Computer Science; the Bachelor of Science Degree—Computer Science; and the Bachelor of Science Degree—Microcomputers. Courses deal with the areas of computer programming, systems analysis, and information processing.

The two-year associate degree program concentrates heavily on computer science and is vocationally oriented. The Bachelor of Science Degree provides a more detailed and broader background in not only computer science, but also other sciences and disciplines. The Bachelor of Science Degree—Microcomputers offers students the option to concentrate in microcomputers.

A minor in Computer Science is also offered, and consists of eighteen hours as follows: Computer Science 101, 110, 210, 220, 230, and 330.

Associate in Applied Science Degree

Computer Science

The Department of Computer Science offers an associate degree in computer science for students who plan careers in data processing and related computer activities. The program may also be used as a foundation for students intending further study toward a baccalaureate degree. The objectives are to provide: (1) an understanding of how computers operate; (2) a working knowledge of computer concepts, programming, and systems; (3) experience with computers through in-service training; and (4) a foundation through basic courses for further college study.

Graduates with an associate degree are equipped with training and experience for employment as programmers and systems analysts.

The University operates a computer center, and maintains cooperative relationships with several local computer installations. A minimum of 65 credit hours is required for the degree. Required Computer Science courses are Computer Science 100, 101, 103, 110, 210, 212, 220, 230, 300, 302, and 330. Other degree

coursework requirements should be discussed with the student's faculty advisor.

Bachelor of Science Degree Computer Science

The Department of Computer Science offers a four-year program in computer science leading to a bachelor's degree for students interested in securing training in the computer field with a broad background in related areas. A minimum of 135 credit hours is required for the degree. Students earning the associate degree in computer science may continue for the bachelor's degree by taking all of the additional courses indicated for the bachelor's degree. Computer Science courses required for a Bachelor of Science degree are Computer Science 100, 101, 110, 210, 212, 230, 300, 302, 330, 340, 350, 400, 410, and 440. Other degree coursework requirements should be discussed with the student's faculty advisor.

Microcomputers

In recognition of the increasing importance of microcomputers, the Department also offers a bachelor's degree program that allows students to concentrate in the area of microcomputers. Students pursuing this program study a broad subject area of courses, several Computer Science courses, and several microcomputer courses. A minimum of 135 semester credit hours is required. Required Computer Science courses are Computer Science 101, 110, 180, 210, 230, 300, 330, 340, 350, 382, 410, 480, 490, and 495. Other degree coursework requirements should be discussed with the student's faculty advisor.

Course Descriptions

COS 100: Introduction to Electronic Data Processing *3 credit hours*

Survey of basic concepts, hardware, and operations; introduction of basic programming concepts and documentation standards in various languages.

COS 101: Fundamentals of Microcomputer Programming-BASIC. *3 credit hours*

An introduction to programming fundamentals using microcomputers. Flow-charting with coding in BASIC is used for programs that involve multidimensional arrays and sequential or direct access file processing on disks.

COS 103: Report Program Generator *3 credit hours*

Prerequisite: Computer Science 100 or consent of instructor. Report Program Generator (RPG) computer language is used in writing

specifications for jobs utilizing input and output devices and proper documentation.

COS 110: Computer Programming I - FORTRAN *3 credit hours*

Prerequisites: Computer Science 101, Mathematics 110, or consent of instructor. Introduction to problem solving methods and algorithm development using a high level programming language. Emphasis on designing, coding, debugging, and documenting programs using techniques of good programming style. Two hours lecture and 2 hours lab.

COS 180: Advanced Microcomputer Programming Techniques *3 credit hours*

Prerequisite: Computer Science 101. An extension of Computer Science 101 in which BASIC and other interpretative or compiler languages are emphasized (COBOL, Pascal, or FORTRAN). The course also includes the use of both sound and graphics by calling assembly language programs and selected software.

COS 210: Computer Programming II - FORTRAN *3 credit hours*

Prerequisite: Computer Science 110. Continuation of topics in Computer Science 110, especially for larger programs. Introduction to the basic aspects of more advanced topics such as string processing, searching, sorting, and elementary data structures.

COS 212: Computer Systems *3 credit hours*

Prerequisite: Computer Science 210. An introduction to assembly languages and computer instruction, addressing techniques, macros, and programs segmentation. Study of computer memory, registers, instruction types and formats, data formats, and the assembly process.

COS 220: Computer Organization *3 credit hours*

Prerequisite: Computer Science 210. Introduction to the organization and structuring of the major hardware components of the computer and provides the fundamentals of logic design and the mechanics of information transfer and control.

COS 230: COBOL *3 credit hours*

Prerequisite: Computer Science 210 or consent of instructor. A study of the features of the COBOL language and its applications in designing COBOL programs.

COS 300: Systems Design and Development I *3 credit hours*

Prerequisite: Computer Science 230. Introduction to systems design and development techniques utilized in surveying, developing, and installing computer application systems.

COS 302: Operating Systems *3 credit hours*

Prerequisites: Computer Science 210 and 220. Survey of current operating systems utilized in various types of computers, comparative analysis of operating systems, and system generation techniques.

COS 330: File Processing (COBOL) *3 credit hours*

Prerequisite: Computer Science 230 or consent of instructor. Introduces concepts and techniques of structuring data on bulk storage devices and provides the foundation and experience in applying data structure and file processing techniques.

COS 340: Data Structure and Algorithm Analysis

3 credit hours

Prerequisite: Computer Science 330. Applies analysis and design techniques to non-numerical algorithms which act on data structures; utilizes algorithmic analysis and design criteria in the selection of methods for data manipulation in the environment of a data base management system.

COS 350: Organization of Programming Languages

3 credit hours

Prerequisite: Computer Science 210. An applied course in programming language constructs emphasizing the run-time behavior of programs. Students study the specification and implementation of various languages, with programming exercises in each language.

COS 382: Assembler Language for Microcomputers

3 credit hours

Prerequisite: Computer Science 180. A study of assembly languages using selected microprocessors. Programs written include those that stand alone and subroutines to be called by programs written in a high level language. Programs will include both sound and graphics.

COS 400: Systems Design and Development II

3 credit hours

Prerequisites: Computer Science 300. Continuation of Computer Science 300 with emphasis on state-of-the-art techniques. Students will apply the techniques by working in teams in the organization, management, and development of a large software project.

COS 410: Data Base Management Systems

3 credit hours

Prerequisite: Computer Science 340. Data base concepts and models and their relation to specific data base management systems are studied. Experience in the design and implementation of data base systems, with emphasis on file security, data integrity, and reliability.

COS 420: Algorithms

3 credit hours

Prerequisites: Computer Science 340 and 350. Techniques of analyzing and developing algorithms. Examples of algorithms from various areas, presented in a high level language and implemented in appropriate languages.

COS 430: Numerical Analysis

3 credit hours

Prerequisites: Computer Science 210 and Mathematics 210 and 207. An introduction to the algorithms and theory of numerical computation, including practical implementations and use of mathematical subroutine packages.

COS 440: Special Problems

3 credit hours

Prerequisite: Computer Science 330. Independent work on a significant project involving the research, design, implementation, and documentation of a complete system.

COS 450: Special Topics

3 credit hours

Prerequisite: Computer Science 210 or consent of instructor. Study of a current and significant topic in the field of computer science. Topics may be chosen from one of the following: microcomputers, telecommunications, graphics, simulation, and modeling.

COS 480: Microcomputer Operating Systems

3 credit hours

Prerequisite: Computer Science 382. A survey of major operating systems currently utilized in which selected systems are examined, compared, and evaluated.

COS 490: Microcomputer Systems and Application Development

3 credit hours

Prerequisites: Computer Science 180 and 300. Development of those skills necessary to design and install a complex system using microcomputers. Each student must demonstrate proficiency in all aspects of establishing an administrative application that requires complex programming techniques preferably using high level (e.g., BASIC or Pascal or assembly languages.)

COS 495: Microcomputers in Elementary and Secondary Education

3 credit hours

Prerequisite: Computer Science 180 or consent of instructor. An intensive survey of those administrative and instructional areas in which microcomputers might be utilized. Development of plans for a school district to utilize computers efficiently and effectively. The course will include an in-depth study of instructional programs that are available as software packages and that are developed and programmed by students.

Department of Education

The Department of Education offers teacher certification programs leading to a Bachelor's Degree in twelve areas. These program areas are in Art Education, Biology, Business Education, Elementary Education, English, Health and Physical Education, History, Home Economics, Industrial Arts Education, Mathematics, Music Education and Social Studies.

Teacher Education Committee

The responsibility for teacher education programs at Kentucky State University rests with the Teacher Education Committee. This Committee is composed of faculty and student representatives from each department in which the University offers teacher certification programs, the Chairperson of the Department of Education, the Director of Student Teaching, the Coordinator of Secondary Education, the Director of Libraries, the President of the Student National Education Association, and three public school representatives. The student and public school representatives are appointed respectively by the President of the Student National Education Association and school superintendents. The decisions of the Teacher Education Committee are final.

Goal and Objectives

The overall goal of the teacher education program is to produce the best possible teachers for elementary and secondary schools. The program objectives are to provide each student with:

- A working knowledge of the process of human growth and development
- A basic understanding of the educational process as it relates to teaching and learning in both individual and group situations.
- An appreciation of education as an institution and as an instrument of society.
- An awareness of the requirements of the Commonwealth of Kentucky for obtaining teaching certificates for the various teaching levels in the public schools.
- An understanding of the organization, financial and social support, purposes and functions of schools in a democracy.
- The pedagogical skills, competencies, and abilities necessary to create a climate for learning, by elementary and secondary school students, including students who have certain exceptionalities.
- The knowledge and skills necessary to meet the specific educational needs of elementary and secondary school students in a culturally diverse society.

Admission to Teacher Education Program

Each applicant who seeks admission to the teacher education program at Kentucky State University is required to:

- Standard 1.** Have obtained a minimum of 54 semester hours of college credit.
- Standard 2.** File with the Committee on Teacher Education an application for admission to teacher education on the official form provided, after the semester in which the student will have earned fifty-four semester hours. The application must be accompanied by a personal data form and an autobiographical sketch of at least two pages in the student's own handwriting; the autobiography should reveal an alert, resourceful person of sound and stable character who exemplifies the following traits: (1) a strong desire to learn, (2) a strong desire to become a good teacher,

(3) faith in human beings, (4) a genuine interest in people, especially young people, (5) the ability to work well with others, and (6) a willingness to go beyond the call of duty in hours of study and in school and community activities.

- Standard 3.** Demonstrate competency in oral and written communication, reading, writing, and computation on the Comprehensive Test of Basic Skills (CTBS) to a grade equivalence of 12.7 or better. No student will be permitted to take the CTBS a fourth time.
- Standard 4.** Demonstrate competency in writing by responding in writing to a question in the applicant's field of study. The writing sample will be evaluated for mechanics, content, and organization and style.
- Standard 5.** Demonstrate competency in oral communication during an individual interview of each applicant.
- Standard 6.** Have obtained a cumulative grade point average of 2.25 or above on a 4.0 scale.
- Standard 7.** Have obtained a grade of "C", 2.0 or above in the following courses:
- a. ENG 101 and 102, English Composition;
 - b. EDU 294, Introduction to Teaching; and
 - c. EDU 221, Human Growth: Developmental Psychology
- Standard 8.** Obtain three letters of recommendation:
- a. One from the major advisor;
 - b. One from an instructor with whom the applicant has completed a course; and
 - c. one from a public school teacher with whom the applicant has had field experience.
- Standard 9.** Have obtained clearance from the Office of the Vice President for Student Affairs.

Applicants may be admitted *conditionally* with the following minor deficiencies, subject to immediate correction and continued satisfactory progress:

- a. An incomplete autobiographical sketch.

- b. An incomplete personal data form.

The Committee may withdraw a student from teacher education *at any time* based upon one or more of the following:

- a. Unsatisfactory academic progress.
- b. Disciplinary action by the institution against the student because of conduct which would indicate character weaknesses of such a nature as to make that student unfit for the teaching profession.

The student may withdraw officially from the teacher education program by proper written notice to the Chairperson of the Committee.

An applicant who has not been approved for admission to the teacher education program will be permitted to file a supplementary application, provided all deficiencies have been removed. The student will not be permitted to file a third application if rejected by the Committee a second time.

Any applicant who has failed the CTBS a total of three times will be denied further consideration for admission to Teacher Education. *No applicant will be allowed to take the CTBS twice in the same semester.*

Kentucky State University, operating through the Teacher Education Committee, retains the right to change, modify, or add to the above requirements at any time but will give students prior notice of any changes. The student should check with the Chairperson of the Department of Education concerning the most recent regulations.

Admission to Supervised Teaching

Each student who plans to qualify to teach on the elementary or secondary level is required to file an application for supervised teaching. The application for admission to supervised teaching should be made at the middle of the semester which ends the student's junior academic year and should designate the SPECIFIC semester during which the student plans to do supervised teaching.

After review of the student's application, the Teacher Education Committee will notify the applicant by letter either that the application for admission to supervised teaching has been approved, subject to successful completion of all prerequisites and the attainment and

maintenance of the required standard for admission at the time the student is scheduled to enroll in the course in supervised teaching; or that the application for admission to supervised teaching has been disapproved with a statement of the reason(s) for disapproval.

Applicants for admission to supervised teaching must satisfy the following standards:

- Standard 1. A minimum of 90 semester hours of college credit (senior standing).
- Standard 2. Submit a recent physical examination report which includes a tuberculosis test.
- Standard 3. Have been admitted to the teacher education program at least one semester prior to application for admission to student teaching and be in good standing.
- Standard 4. Satisfactory completion of all prerequisite courses and laboratory requirements.
- Standard 5. A cumulative grade point average of 2.50 or above on a 4.0 scale at the time of the application, or the attainment of such an average by the end of the semester immediately prior to the scheduled entrance into student teaching.
- Standard 6. A 2.50 or above on a 4.0 scale in the student's major courses at the end of the semester prior to the scheduled entrance into student teaching.
- Standard 7. Completion of three-fourths of all required professional courses and having maintained a grade point average of 2.50 or satisfaction of this requirement by the end of the semester immediately prior to the scheduled entrance into student teaching.
- Standard 8. Completion of three-fourths of the course work within the major or completion of all course work requirements for the minor if student teaching is to occur in the minor subject.
- Standard 9. Satisfactory completion of EDU 394, Clinical Experience in Teaching.
- Standard 10. Completion of English 211, Introduction to Literature, with a grade of "C" or above in the course or gain such by the end of the semester prior to the scheduled entrance into student teaching.

- Standard 11.** Recommendation of the student's major department.
- Standard 12.** Recommendation of the faculty of the Department of Education.
- Standard 13.** Clearance from the Vice President for Student Affairs.
- Standard 14.** Evidence of liability insurance comparable in amount to that which the Student National Education Association provides.

Students are reminded that they are fully responsible for arranging all required transportation which results from participation in the student teaching activity. Students may seek the assistance of the Department of Education in making these arrangements.

The student must have been admitted to Teacher Education at least one semester prior to application for admission to student teaching.

In the event a student who has been approved for admission to supervised teaching does not complete all prerequisites or maintain the required standards for admission at the time the student is scheduled to enroll for the course in supervised teaching, the student's case shall be subject to review by the Committee before being permitted to enroll for student teaching at a later date.

A student will *not* be permitted to take other college courses during his/her period of student teaching. Exemptions from this standard will be considered by the Director of Student Teaching and the Chairperson of the Department of Education only in the most unusual cases, and in accordance with the Teacher Education Committee's policies governing such circumstances.

Degree Requirements

In order to satisfy requirements for the Baccalaureate degree in Teacher Education and certification for either elementary or secondary school teaching by the Commonwealth of Kentucky, the student must complete successfully the following coursework:

A minimum of 128 semester hours of credit is required for the Bachelor's degree with teacher certification at the elementary and/or secondary levels. Students are required to observe classroom situations in Business 400 and 402, Education 221, 294, 301, 310, 312, 313, 394, 410, 423, 452, Mathematics 314, and Music 331 and 332.

The courses required for a major in elementary education are: Education 221, 294, 301, 305, 310, 312, 313, 314, 315, 324, 394, 399, 423, 494, MAT 314 and 6 credit hours of education electives. The required courses for majors with certification in the other eleven areas may be found in the various sections of this catalogue in which the respective disciplines and program offerings are described. Additional coursework degree requirements include the University's Liberal Studies Requirements and elective courses. Students should consult with their faculty advisor in planning the most appropriate sequence of study.

Course Descriptions

EDU 206: Fundamentals of Kindergarten Education.

3 credit hours

A study of the curriculum, materials, and organization of the kindergarten. Important topics are creative experiences, parent education, understanding families, community resources, planning and evaluation. Observations and interaction with children are included.

EDU 221: Human Growth: Developmental Psychology (Child and Adolescent Psychology)

3 credit hours

Prerequisite: Psychology 200. This course is designed to present essential concepts, findings, and interpretations of psychological investigations concerning growth and development from conception through adolescence. It also deals with the techniques of working with children and youth.

EDU 223: The Teacher and Growth and Development of the Pre-School Child

3 credit hours

Emphasis is on the physical, emotional, mental and psychological growth of the child under the age of six, and on the kindergarten teacher's role in working with these children.

EDU 294: Introduction to Teaching

2 credit hours

A lecture/laboratory course designed for elementary and secondary students which explains the role of American education, the school curriculum, the realities and expectations of teaching; and gives practical experience in a classroom setting working with a professional.

EDU 301: Educational Psychology

3 credit hours

Prerequisite: Psychology 200. An application of psychology to the problems of learning and teaching with emphasis on cognitive, affective, and psychomotor learning and strategies utilized in different classroom situations.

EDU 305: Fundamentals and Administration of Elementary Education

3 credit hours

Prerequisite: Admission to Teacher Education Program. A basic course in elementary education: governance, administration, and public school financing; teaching trends, scope and sequence of subject curricula, aims and objectives of education in the United States; staff organization and utilization; elementary school function; and school community relations and societal forces impinging upon education programs. (Mandatory for elementary certification.)

EDU 306: Principles and Practices of Counseling

3 credit hours

Prerequisite: Psychology 200. This course is designed to provide students with basic information about counseling as a helping profession and the various settings where counseling occurs. Areas of study include professional preparation, counselor and counselee characteristics, theories, techniques, and practices.

EDU 308: Trends in Elementary Education

3 credit hours

A course designed to bring students an awareness of recent community needs in education, such as career education, consumer education, value clarification, and environmental education. A wide variety of activities will be included which will promote student, teacher, and community interaction and involvement.

EDU 310: Introduction to Exceptional Education

3 credit hours

Prerequisite: Education 221. An introductory course which offers a compact survey of the major areas of exceptionality: children with intellectual limitations (educable and trainable mentally retarded), the intellectually superior (the gifted), behavioral problems (emotionally disturbed and socially maladjusted), problem speech cases, impaired hearing cases, impaired vision cases, and pupils with neurological and nonsensory physical impairments (crippled and chronic health cases).

EDU 312: Teaching Reading in the Elementary School

3 credit hours

Prerequisite: Education 305. This course deals with strategies and techniques for teaching reading to the elementary school child. Emphasis is on mastery of the components of the reading process, teaching approaches, student assessment and evaluation, use of materials and investigations into studies related to the teaching of reading. Observation of and interaction with children are required parts of this course.

EDU 313: Teaching Language Arts in the Elementary School

3 credit hours

Prerequisite: Education 312. A study of content, methods, and materials for teaching language arts: listening, speaking, reading, and writing. Techniques of evaluation are included. Classroom observations and participation are required for parts of this course.

EDU 314: Teaching Social Studies in the Elementary School

3 credit hours

Prerequisite: Education 305. Exploration of the content of the social sciences program at the elementary school level, methods of teaching, and investigation of various modern curriculum designs in social studies.

EDU 315: Multi-Cultural Education

3 credit hours

Prerequisite: Psychology 200. The activities and materials of this course will be designed to orient the teacher-in-training to the multi-cultural situations which exemplify American classrooms and influence the teaching-learning situation. The student will engage in a study of cultural situations relating to both racial and ethnic groups as a means of expanding his/her knowledge of and respect for the mechanics of culture and the force of culture as a directional agent in society. Emphasis will be placed upon the reasons for cultural diversity, the similarities to be found among cultures, and the potential strengths of cultural diversity in a democracy.

EDU 316: Manuscript and Penmanship

1 credit hour

Emphasis is on the development of skills and techniques for producing a legible, fluent, consistent quality in handwriting. Provides pedagogical awareness of the psychological and physiological factors which affect the development of penmanship ability in youth.

EDU 318: Educational Media Instruction

3 credit hours

Emphasizes improving teaching through educational media: function, selection, production, and effective use of instructional media; concepts, principles, and techniques for use of computers, teaching machines, various displays, lettering, films, filmstrips, and audio-visual equipment and materials.

EDU 324: Foundations of Education

3 credit hours

Prerequisite: Education 221. An intensive study of those influences which undergird the development of education in the United States and which will contribute to the solutions of current educational issues and problems.

EDU 394: Clinical Experiences in Teaching

4 credit hours

Prerequisite: All course work leading to certification satisfactorily completed and approval of the Teacher Education Committee for supervised teaching. A four week lecture/laboratory course designed for elementary and secondary education students. The class must be taken immediately prior to the supervised teaching experience.

EDU 402: Classroom Guidance

3 credit hours

Prerequisite: Education 221 or Child Development and Family Relations 203 and 204. A study of classroom management and guidance to enable students to learn the importance of developing techniques in building group standards of conduct as a means to self-government, the application of mental health techniques to teaching-learning situations, and a cognizance of the relationship between learning problems and personality development.

EDU 410: Methods of Teaching High School Subjects

3 credit hours

This course is divided into sections in accordance with the focus of the student's program. Satisfactory completion of Education 452, admission to Teacher Education and consent of instructor are required.

EDU 410-1: Methods of Teaching English

3 credit hours

EDU 410-2: Methods of Teaching Home Economics

3 credit hours

EDU 410-3: Methods of Teaching Industrial Arts

3 credit hours

EDU 410-4: Methods of Teaching Mathematics

3 credit hours

EDU 410-6: Methods of Teaching Physical Education

3 credit hours

EDU 410-7: Methods of Teaching Science
3 credit hours

EDU 410-8: Methods of Teaching Social Sciences
3 credit hours

EDU 423: Teaching Science in Elementary School
3 credit hours

Prerequisite: Senior standing in Elementary Education curriculum. A methods course designed to reflect the changes that are taking place in the world of science and to present the latest thinking and philosophy for teaching science in the elementary school. This course will help both prospective and experienced teachers to organize and conduct meaningful science learning experiences. Classroom observations are required.

EDU 445: Reading Problems in the Secondary School
3 credit hours

Prerequisite: Admission to Teacher Education Program. This course provides English majors with strategies and techniques for dealing with reading problems at the high school level, components of the reading process, assessment and evaluation of reading problems and reading materials for the secondary school.

EDU 452: Fundamentals and Administration of Secondary Education
3 credit hours

Prerequisites: Education 221 and admission to Teacher Education. This course should be taken during the semester immediately preceding student teaching. This course provides a graduated preparation for supervised teaching on the secondary level. Study and practice are provided in organizing materials for class work as the prospective student teacher is acquainted with general methods of high school instruction. The historical, philosophical, and curricular development of the American secondary school are dealt with as they relate to modern practices. A mainstreaming module and a field component are required.

EDU 494: Supervised Teaching
12 credit hours

Open to qualified seniors by application to the Committee on Teacher Education during the preceding semester.

EDU 500: Tests and Measurements
3 credit hours

Prerequisite: Education 221. A survey of the psychological, statistical, and ethical principles of the construction, scoring, interpretation, and use of a variety of standardized and teacher-made tests, with emphasis on achievement tests. Attention is also devoted to the psychometric principles of writing classroom objectives, their interrelationships to teaching, testing, and grading, and the determination of course grades. Current controversial issues in testing are also examined.

Department of Home Economics

The Department of Home Economics offers coursework leading to an associate in applied science degree, and a bachelor of science degree in four instructional areas.

Associate in Applied Science Child Development and Family Relations

The associate degree is designed to prepare students for positions as support personnel in nursery schools, Headstart programs, and family and child-care agencies. Departmental course requirements include Child Development and Family Relations (CDF) 101, 102, 203, 204, 305, 306, 310, 315, 320, 408, and 409. Additional degree requirements should be discussed with the student's faculty advisor.

Bachelor of Science Child Development and Family Relations

The baccalaureate degree in this instructional area prepares students to direct or to teach in early childhood programs, and family services agencies. A minimum of 130 semester credit hours is required for the award of the degree. Required courses in the department, include Child Development and Family Relations (CDF) 101, 102, 203, 204, 305, 306, 315, 320, 407, 408, 409, and 410. Baccalaureate degree students must also satisfy the University's Liberal Studies Requirements.

Dietetics and Food Service Management

This program is designed to provide students with competencies that will prepare them to become dietitians, nutritionists, or food service managers, depending upon the area of specialization.

The objectives of this program are twofold: (1) to develop sound, basic, up-to-date knowledge in the fields of foods, nutrition, and related subjects; and (2) to develop the ability to interpret the knowledge and apply sound judgment for use in actual situations.

Graduates are eligible to apply for internships approved by the American Dietetic Association. Dietitians are employed in civilian, armed services, and Veterans Administration hospitals; college and university food services; and business/commercial food services. Professional nutritionists are employed by industry, public health service, and other state, national, and international agencies for research, educational programs, and food and health services.

This program has been approved by the American Dietetic Association as an official Plan IV Program. The approved Plan IV Programs are in the areas of communi-

ty nutrition, food service management, clinical nutrition and general dietetics.

In order to satisfy major field requirements for this degree program, students must successfully complete the following coursework: Foods and Nutrition 101, 104, 202, 203, 311, 401, 403, 411 or 422, 421 or Economics 324, and Foods and Nutrition 424. In addition, students are required to successfully complete the following coursework: Biology 107, 108, and 204, Business Education 204 or English 203, Chemistry 101, 102, 201, and 202, Chemistry 315 or Business Administration 333, Accounting 261, Home Economics 395 (Directed Study), Economics 211 and 212, and Sociology 201 and 202. Finally, students must choose one course from among Economics 311, Psychology 203, or Sociology 306, and must take Management 323. Students are required to consult with their faculty advisor to determine the most appropriate sequence of courses.

Home Economics Education

The Bachelor of Science in Home Economics Education program prepares students for secondary education school teaching and extension and other consumer program work. A minimum of 139 credit hours is required for this degree. The requisite Home Economics Education courses for the Bachelor of Science degree are Home Economics 101, 208, 303, 304, 306, 308, 410, 411 and 450. In addition, Home Economics Education majors must follow a sequence of professional teacher education coursework, details of which must be discussed with the student's faculty advisor.

Textiles, Clothing, and Merchandising

This is an interdisciplinary program designed to provide basic knowledge and skills necessary for individuals who desire professional careers in the fashion and retail industry. Students may select either the art or business option. Each option requires the student to complete the equivalent of a minor (minimum 21 hours) in a supporting discipline. It is the University's intention that these courses be compatible with a student's professional interests and goals. Selection of courses requires faculty advisement.

The Textiles, Clothing, and Merchandising program combines classroom instruction and field experience in the clothing industry.

A minimum of 132 credit hours is required respectively for the business and art options degree. The Textiles,

Clothing and Merchandising courses required for a Bachelor of Science with either the art or business option are Textiles and Clothing 102, 221, 222, 231, 232, 311, 318, 337, 342 and 410. Additional coursework degree requirements include the University's Liberal Studies Requirements and elective courses. Students must consult with their faculty advisors in planning the most appropriate sequence of study.

Child Development and Family Relations (CDF)

Course Descriptions

CDF 101: Introduction to Early Childhood Education

3 credit hours

Examines various program models and philosophies of early childhood education and includes a basic introduction to the overall needs of young children. (Lecture, field trips, and observation.)

CDF 102: Family Development

3 credit hours

Examines the stages of the family life cycle and interpersonal relationships among family members. (Lecture and discussion.)

CDF 203: Child Care and Development I

3 credit hours

Examines the physical, mental and social, and emotional growth of the child from conception to age three. (Lecture, discussion, and observation.)

CDF 204: Child Care and Development II

3 credit hours

Examines the physical, mental, social and emotional growth of children from three through six years. (Lecture, discussion, and observation.)

CDF 305: Material and Methods in Early Childhood Education

3 credit hours

Prerequisites: Child Development and Family Relations 203 and 204. Preparation, selection, and evaluation of instructional materials for Early Childhood Programs. (Lecture and Discussion.)

CDF 306: Marriage and Family Relationships

3 credit hours

Prerequisite: Child Development and Family Relations 102. Problems affecting marriage and family living and personal adjustment necessary for family living. (Lecture and Discussion.)

CDF 315: Child Guidance

3 credit hours

Prerequisites: Child Development and Family Relations 203 and 204. Intense study of child development theories and guidance techniques. (Two hours lecture and two hours laboratory.)

CDF 320: Parent Education

3 credit hours

Study and application of various principles and techniques useful in working with parents of young children. (Lecture.)

CDF 407, 408: Advanced Practicum in the Early Childhood Programs

3 credit hours

Supervised Practicum in the Early Childhood Learning Center. (Eight hours laboratory, two hours discussion and lecture.)

CDF 409: Organization and Administration of Early Childhood Education Programs

3 credit hours

Prerequisite: Consent of instructor. Organization and administration of early childhood education programs including housing, equipment, programs, records, parent involvement. (Lecture, field trips, and discussion.)

CDF 410: Seminar in Family Life.

3 credit hours

Prerequisite: Child Development and Family Relations 102 and 306 or consent of instructor. Current principles, practices, and analysis of factors affecting family life today. (Lecture and discussion.)

Dietetics and Food Service Management (Foods-Nutrition Courses)

FNU 101: Introduction to Foods

3 credit hours

Source, selection, preparation and preservation of food materials, individual problems illustrating principles of cookery and their application.

FNU 103: Nutrition and Food Choices

3 credit hours

Guidance and direction in the selection and making of food choices to support growth and to properly maintain health conditions.

FNU 104: Basic Nutrition

3 credit hours

Principles of nutrition related to health with an emphasis on understanding the function of nutrients, nutritional needs of people, world nutritional problems and their relationship to the physiological, social, psychological, and economic condition of humankind. (Designed for students from Dietetics, Nursing Education, and Biological Health Science.)

FNU 202: Meal Planning and Table Service

3 credit hours

Planning, preparation, and service of meals with emphasis on the management of time, energy, money as well as the efficient use of equipment. Consideration is given to nutritional needs, food habits, and social customs of family groups. (Two hours lecture, two hours laboratory.)

FNU 203: Maternal and Child Nutrition

2 credit hours

Nutrition as it affects physical growth and development of individuals; emphasis on understanding the interrelationship between physiological changes and nutritional needs during the reproductive cycle, infancy, early childhood, and adolescence.

FNU 311: Quantity Food Production

4 credit hours

Prerequisites: Foods-Nutrition 101 and 202. Basic principles, methods, standards, and practices in determining the quantity of food production such as salads, soups, sauces, sandwiches, vegetables, and desserts. Adjustment of recipes and development of standard recipes maintaining quality control. Fifty hours laboratory experience required.

FNU 401: Experimental Foods

4 credit hours

Prerequisites: Foods-Nutrition 202 and Chemistry 200. Study of chemical and physical changes in food storage and preparation.

Development of experimental techniques, opportunities for individual studies. (Two hours lecture, four hours laboratory.)

FNU 403: Community Nutrition

3 credit hours

Survey of current nutritional problems of public health agencies. Field experience allows students to investigate and participate in the development of possible solutions.

FNU 421: Advanced Nutrition

3 credit hours

Prerequisites: Chemistry 202, Chemistry 315, and Biology 108. Human requirements for dietary essentials as modified by age, sex, occupation, and other factors. Includes construction of practical diets to meet requirements.

FNU 422: Clinical Nutrition

3 credit hours

Prerequisite: Foods-Nutrition 421. Nutrition related to disease conditions; physiological basis for the use of therapeutic diets in certain diseases.

FNU 424: Food Service Organization and management

3 credit hours

Prerequisite: Management 323 or 333. Organization, planning, control and supervision in the food service industry.

Textiles, Clothing and Merchandising

TCL 102: Principles of Clothing Construction

3 credit hours

Principles of fitting and pattern alteration as applied to basic garments with emphasis on design and quality construction compatibility. (Lecture 1 hour, laboratory 4 hours.)

TCL 221: Textiles I

3 credit hours

Study of physical and chemical properties of textile fibers. (Lecture and laboratory.)

TCL 222: Textiles II

3 credit hours

Prerequisite: Textiles, Clothing and Merchandising 221. Standard testing procedures and equipment used in determining the physical and chemical characteristics of fibers, yarns, and fabrics, and of the statistical methods employed in data evaluation (Lecture and laboratory.)

TCL 231: Introduction to Design

3 credit hours

Theory and practical application of design components and principles as they relate to the function and ideas in the various phases of one's environment. (Lecture and practical experiences.)

TCL 232: Decorative Textiles

3 credit hours

Prerequisite: Textiles, Clothing and Merchandising 231. Basic applications and techniques of decoration in the development of textiles. (Lecture/laboratory 4 hours.)

TCL 311: Social and Psychological Aspects of Clothing

3 credit hours

Prerequisite: At least 3 hours each from the areas of sociology and

psychology. Cultural, aesthetic, functional, and technological factors as they interact to determine the meaning and use of clothing and textiles by individuals and society.

TCL 318: Historic Costume

3 credit hours

Study of the development of costume from ancient times to the present day. (Lecture.)

TCL 321: Advanced Clothing

3 credit hours

Prerequisite: Textiles, Clothing and Merchandising 102. Practical experience in constructing garments of wool and more delicate fibers; employing tailoring methods as well as speed techniques. (Lecture/Laboratory - 4 hours.)

TCL 337: Fashion Analysis

3 credit hours

Study and analysis of the dynamic nature of fashion and the interacting forces which shape fashion trends in apparel. (Lecture.)

TCL 342: Fashion Merchandising

4 credit hours

Prerequisite: All course requirements in major and minor curricula through junior level must be completed. Lectures, tours, and related experiences.

TCL 410: Practical Problems & Field Experience

12 credit hours

Prerequisites: Successful completion of all course work listed in the catalogue through the junior year. One semester practical experience with pay in a large department or specialty store or with a clothing or home furnishings manufacturer. Students are given formal instruction and supervision. Scheduled only by prearrangement.

Home Economics Education

HED 100: Introduction to Home Economics

3 credit hours

Designed to acquaint students with the history, development, and scope of home economics as a profession, and with its importance as a land-grant function. Career opportunities in home economics are explored.

HEC 208: Housing Problems and Policies

3 credit hours

A review of governmental standards in the area of housing and analyses of economic and social factors contributing to housing problems.

HEC 303: Household Equipment

2 credit hours

Prerequisite: Foods-Nutrition 101. Principles involved in the selection,

construction, operation, and care of household equipment, and their relation to the well-being of the family.

HEC 304: Home Furnishing and Design

3 credit hours

Prerequisite: Home Economics 208. Planning and decorating the house consistent with one's taste and economical means. Trends in home furnishing, designs and arrangements.

HEC 306: Home Management Theory and Practice

3 credit hours

Prerequisite: Foods-Nutrition 101 and 102, and Home Economics 303. Principles used in the management of the home. Study of time, energy, and money management and the application of work simplification techniques. (Lecture 2 hours, laboratory 2 hours.)

HEC 308: Family Consumer Problems

3 credit hours

An examination of consumer problems unique to the family and of measures essential to maximizing utilization of family income.

HEC 350: Practicum in Interior Design

3 credit hours

Study and practical experience in selection, arrangement, and presentation of colors, fabrics, furnishings, and cost estimates for a client. Lecture, laboratory, and field trips.

HEC 395 and 495: Directed Study

Course content and instructional approach are tailored to the individual student and activities are carried out under the guidance of the faculty advisor.

HEC 410: Methods of Teaching Home Economics

3 credit hours

Prerequisite: Senior Standing. Principles and techniques basic to teaching home economics in secondary schools. Curricula selection, organization and evaluation of instructional materials, program planning, methods of teaching, and effective use of teaching materials.

HEC 411: Occupational and Adult Education

3 credit hours

Prerequisite: Senior Standing. Characteristics of adult learners, organization of adult programs, and methods of teaching adults.

HEC 412: Supervised Teaching in Home Economics

3 credit hours

Prerequisite: Home Economics 410 and 411. Student teaching in a secondary school under the supervision of certified personnel.

HEC 450: Seminar in Home Economics Education

1 credit hour

Trends and further interpretation of the role and function of the semi-professional in home economics.

Department of Industrial Education

The Department of Industrial Education offers one Bachelor of Science and three Associate in Applied Science degree programs. The associate programs are in Aviation Technology, Drafting and Design Technology, and Electronics Technology; the bachelor degree program is in Industrial Teacher Education.

Associate in Applied Science

Aviation Technology, Drafting and Design Technology and Electronics Technology

The three associate degree programs within the Department are designed to provide basic knowledge and skills for persons who desire entry level employment in these areas. Graduates are eligible for a variety of vocational and technical positions.

A minimum of 65 credit hours is required for an associate degree in Aviation Technology and 66 credit hours for either an associate degree in Drafting and Design Technology or Electronics Technology. The major requirements for Aviation Technology - Aviation Technology 151, 152, 154, 156, 157, 158, 250, 252, 254 and 259; for Drafting and Design Technology - Industrial Education 101, 102, 104, 105, 113, 141, 202, 204, 205 or 207, 206, 209, 242, 244 and a technical elective; and for Electronics Technology - Industrial Education 101, 102, 105, 113, 121, 123, 125, 126, 142 or 253, 202, 221, 223, 224, 226, 244.

Bachelor of Science

Industrial Teacher Education

This program is designed to prepare students for industrial education teaching positions at the orientation and exploration career education levels in junior and senior high schools. (This aspect of industrial education is commonly known in many geographic areas as industrial arts.) Students may select one of two options under this program, each leading to the Bachelor of Science degree. The options are Industrial Education with a major at the Orientation and Exploration level and Industrial Exploration level. A minimum of 129 credit hours is required for the major and 138 hours for the concentration. The requisite Industrial Education courses

for a concentration are Industrial Education 101, 102, 117, 118, 121, 125, 141, 142, 151, 206, 209, 212, 290, 311, 312, 313, 361, and Education 410, and for a major, Industrial Education 101, 102, 117, 121, 125, 141, 142, 151, 212, 290, 361 and Education 410 and 6 semester hours from broad occupational areas. Additional degree requirements include the University's Liberal Studies Requirements, Professional Education courses and elective courses. Students should consult with their faculty advisor in planning the most appropriate sequence of study.

Aviation Technology

Course Descriptions

AVT 151: General Aeronautics

3 credit hours

Historical survey of flight from antiquity through the space age, with emphasis on the development and use of aircraft in meeting transportation and national security needs and on aviation career opportunities.

AVT 152: Private Pilot Flight Theory

3 credit hours

Introductory study of aviation covering principles of flight and factors affecting flight, such as basic aerodynamics, aircraft control systems, instruments, navigation, communications, and flight planning.

AVT 154: Federal Aviation Regulations and Publication No. 1

3 credit hours

A study of federal aviation regulations and publications pertaining to and governing visual-flight-rule aviation operations.

AVT 155: Private Pilot Flight Training

3 credit hours

Prerequisites/corequisites: Aviation Technology 152, 154, 156, or departmental consent. Flight instruction leading to private pilot certificate. Satisfactory completion of FAA tests required. Students should make arrangements with their local flight instructor or fixed base operator for flight training. Credit will be granted upon completion of private pilot certificate. Logbook endorsements pilot certificate will meet requirements for credit.

AVT 156: Aviation Weather

3 credit hours

A comprehensive study of the practical meteorological theory and principles important to aviation. The details of applying weather theory and the interpretation of all types of National Weather Service reports, forecasts, maps, and prognostic charts will be studied.

AVT 157: Commercial Flight Theory

3 credit hours

Prerequisites: Aviation Technology 152, 154, and 156, or departmental consent. In-depth study of commercial flight maneuvers; high performance aircraft systems, power plants, performance, and weight and

balance; advanced instrument systems; flight physiology; and safety of flight. (Forand Publications II.)

AVT 158: Federal Aviation Regulations and Publication No. II
3 credit hours

Prerequisite: Aviation Technology 154. A study of federal aviation regulations and publications pertaining to and governing IFR and commercial aviation operations. (Formerly AVT 253.)

AVT 159: Commercial Flight Training
3 credit hours

Prerequisites/corequisites: Aviation Technology 157 and 155. Advanced flight instruction providing students with practical knowledge and experience preparatory to commercial pilot certification. Satisfactory completion of FAA tests required. Students should make arrangements for flight instruction by contacting their local flight instructor or fixed base operator. Credit granted upon completion of requirements for commercial pilot certification. Logbook endorsements or pilot certificate will meet requirements for credit. (Formerly AVT 255.)

AVT 159: Flight Simulator
3 credit hours

Prerequisites/corequisites: Aviation Technology 156 and 252. Practical simulated flight using radio navigation and instrument flight knowledge and techniques. (One hour lecture, two hours lab.) (Formerly AVT 350.)

AVT 252: Instrument Flight Theory
3 credit hours

Prerequisites: Aviation Technology 156 and 152. A comprehensive study of aircraft systems and procedures used in instrument flight. Radio navigation, departure, enroute, approach, and system failure procedures, techniques, and communications requirements under instrument rule flights will be covered. (Formerly AVT 351.)

AVT 254: Advanced Aerodynamics
3 credit hours

Prerequisites: Mathematics 120. An advanced study of airfoil and wing theory, performance analysis, static and dynamic stability, and wind tunnel testing techniques. (Formerly AVT 353.)

AVT 256: Multi-Engine Flight Training
2 credit hours

Prerequisites/corequisites: Aviation Technology 155, 156, and 157. Flight instruction leading to FAA multi-engine rating. Satisfactory completion of FAA test required. Students should make arrangements with their local flight instructor or fixed base operator for flight training. Credit will be granted upon completion of multi-engine rating. Logbook endorsements or pilot certificate will meet requirements for credit. (Formerly AVT 354.)

AVT 257: Flight Instructor Training
3 credit hours

Prerequisite: Aviation Technology 159. Flight instruction for the commercial pilot leading to FAA flight instructor certificate. Satisfactory completion of FAA tests required. Students should make arrangements for flight instruction by contacting a local flight instructor or fixed base operator. Credit granted upon completion of requirements for flight instructor certificate. Logbook endorsements or pilot certificate will meet requirements for credit. (Formerly AVT 355.)

AVT 258: Instrument Flight Training
3 credit hours

Prerequisites/corequisites: Aviation Technology 155, 250, and 252. Flight instruction leading to FAA instrument pilot rating. Satisfactory

completion of FAA tests required. Students should make arrangements with their local flight instructor or fixed base operator for flight training. Credit will be granted upon completion of requirements for instrument rating. Logbook endorsements or pilot certificate will meet requirements for credit. (Formerly AVT 356.)

AVT 259: Fixed Base Operations Management
3 credit hours

Prerequisite: Business Administration 121 or departmental consent. A practical study of the management of aviation enterprises with an emphasis on fixed base aviation operations. FBO's unique position in the community and identification of specific FBO management problems will be analyzed during the development of FBO model. (Formerly AVT 451.)

AVT 260: Instrument Flight Instructor Training
2 credit hours

Prerequisites: Aviation Technology 257 and 258. Flight training for the rated flight instructor leading to FAA instrument flight instructor certificate. Satisfactory completion of FAA tests required. Students should make arrangements for flight instruction by contacting a local flight instructor or fixed base operator. Credit granted upon completion of requirements for flight instructor instrument rating. Logbook endorsement or pilot certificate will meet requirements for credit. (Formerly AVT 454.)

AVT 261: Multi-Engine Flight Instructor Training
2 credit hours

Prerequisite: Aviation Technology 159. Flight training for the rated flight instructor leading to FAA multi-engine flight instructor certificate. Satisfactory completion of FAA tests required. Students should make arrangements for flight instruction by contacting a local flight instructor or fixed base operator. Credit granted upon completion of requirements for flight instructor multi-engine class rating. Logbook endorsements or pilot certificate will meet requirements for credit. (Elective.) (Formerly AVT 455.)

AVT 262: Aviation Safety Seminar
3 credit hours

Critical analysis of aircraft accidents, accident prevention, development and evaluation of safety programs. (Formerly AVT 457.)

AVT 263: Aviation Problems Seminar
3 credit hours

Advanced topics in aviation. Current aviation engineering and management problems will be discussed and analyzed. (Formerly AVT 458.)

Industrial Education

INE 101: Drafting Fundamentals I
3 credit hours

A basic course in engineering drawing with fundamentals in the use and care of instruments, lettering, and line construction. Basic rules of dimensioning, orthographic projection, auxiliary view, sectional and pictorial drawing. Course open to all students. (Lecture 1 hour, laboratory 4 hours.)

INE 102: Drafting Fundamentals II
3 credit hours

Inked drawing. Section and conversions. Problems in machine drawing and surface development. (Lecture 1 hour, laboratory 4 hours.)

INE 104: Descriptive Geometry
3 credit hours

Intersection of lines with plane surface; intersection of surfaces; sizes and shapes of plane areas; and development of curved surfaces. (Lecture 2 hours, laboratory 2 hours.)

INE 105: Industrial Computational Skills

1 credit hour

Review of some basic principles of mathematics relative to problems encountered in the various areas of Industrial Education. Scientific notation in conjunction with calculator procedures. (Lecture.)

INE 113: Industrial Technology Orientation

3 credit hours

Introduction to the importance of technology in human affairs. Introduction to American industry and its place in the economic process. Survey of industrial organization to include the functions and interrelationships of research and development, production planning, production control, and material and quality control. (Lecture.)

INE 117: Basic Woodwork

3 credit hours

Introduction to wood technology, covering kinds, sources, basic characteristics, and uses of wood and forest products; wood finishes, related materials, hardware, and wood industries; care and use of hand tools; and simple joint and wood processing. Course is open to all students. (Lecture 1 hour, laboratory 4 hours.)

INE 118: Machine Woodwork

3 credit hours

Problems in machine processing. Production work. Maintenance of woodworking machinery. (Lecture 1 hour, laboratory 4 hours.)

INE 121: Basic Electricity

3 credit hours

The basic study and measurement of direct current, voltage, and resistance; an introduction to meter design and alternating current, capacitance, inductance, and impedance. (Lecture 1 hour, laboratory 4 hours.)

INE 123: Electricity for Technicians

3 credit hours

A mathematical analysis of basic electricity with emphasis on the theories of Kirchhoff, Thevenin, and Norton. (Lecture 1 hour, laboratory 4 hours.)

INE 125: Residential Wiring

3 credit hours

Study of the National Electric Code relative to residential wiring and existing local codes. Experience is gained by actually wiring all types of circuits found in the modern house. (Lecture 1 hour, laboratory 4 hours.)

INE 126: Motors and Controls

3 credit hours

A study of the basic controls used today for most AC motors. Ladder diagrams are studied and practical circuits are drawn and wired for specific results. Reference is made to the use of programmable controllers, and there is some involvement with the TI 510 controller. (Lecture 1 hour, laboratory 4 hours.)

INE 141: General Metals

3 credit hours

Basic study of metal layout, design, and fabrication, covering bench metal spinning. Course is open to all students. (Lecture 1 hour, laboratory 4 hours.)

INE 142: Machine Tool Processing I

3 credit hours

Basic study in machine shop practice. Use of files, chisels, and other bench tools. Use of precision instruments. Basic experiences on the

lathe, shaper, drill press, grinder, and milling machine. (Lecture 1 hour, laboratory 4 hours.) (Formerly INE 241.)

INE 151: Power Mechanics

3 credit hours

A study of small gasoline engine principles and construction. Classwork is based on the disassembly, inspection, measurement of parts, adjustment, re-assembly and tune-up of two and four-cycle small gasoline engines. (Lecture 1 hour, laboratory 4 hours.)

INE 202: Technical Illustration

3 credit hours

Problems in product and production design illustration, covering isometric, dimetric, trimetric, obliques, perspectives, shades, shadows, use of color in technical illustrations, and airbrush techniques. (Lecture 1 hour, laboratory 4 hours.)

INE 204: Civil Drafting I

3 credit hours

Map drawing and reading, including topographic symbols, contours, projected locations, profile line and grade. Planning earth and concrete retaining structures. (Lecture 1 hour, laboratory 4 hours.)

INE 205: Civil Drafting II

3 credit hours

Prerequisite: Industrial Education 204 or departmental approval. Construction of maps from field and route notes, reproducing and changing scales of maps. Surveying instruments. Use of special drafting instruments, and commercial drafting room practices. (Lecture 1 hour, laboratory 4 hours.)

INE 206: Architectural Drafting I

3 credit hours

Architectural problems involving the development of plans for a structure: foundation plan, floor plan, elevations, sectional views, detailed views, plot, and estimating and specifications. (Lecture 1 hour, laboratory 4 hours.)

INE 207: Architectural Drafting II

3 credit hours

Plot surveying and drawing. Layouts for plumbing, heating, and electric power. Perspective drawing and rendering. Extensive study of building plans, estimates, and specifications. (Lecture 1 hour, laboratory 4 hours.)

INE 209: Industrial Design

3 credit hours

Problems of product and process design in industry as special problems which concern the draftsman. Industrial arts students may select problems of design in furniture. (Lecture 1 hour, laboratory 4 hours.)

INE 212: Industrial Materials and Processes

3 credit hours

A general shop lecture-laboratory course designed to provide exploration experiences with a variety of materials, such as ceramics, plastics, metals, wood and wood products, clay, glass and concrete; and processes involved in converting these materials to industrial products. Course is open to all students. (Lecture 1 hour, laboratory 4 hours.)

INE 221: Basic Electronics

3 credit hours

An introductory study of the characteristics and applications of solid-state devices. Diodes and transistors are used to study rectifier circuits, voltage regulation, and wave-form interpretations. Single and multi-state small signal amplifiers are tested in order to observe AC and DC

load line, biasing, techniques, and equivalent circuits. (Lecture 1 hour, laboratory 4 hours.)

INE 223: Electronics for Technicians

3 credit hours

A study of field effect transistors, vacuum tubes, oscillators, and multi-vibrators, generators, triggers and Silicon Controlled rectifiers. (Lecture 1 hour, laboratory 4 hours.)

INE 224: Advanced Electronics (Logic)

3 credit hours

A study of numbers, logic, and circuits using modern integrated circuit "chips" and the implementation of logic functions for modern electronic devices. (Lecture 2 hours, laboratory 2 hours.)

INE 226: Advanced Electronics (Micro-computers)

3 credit hours

A study of the utilization of integrated circuit chips in the small computer using basic machine language. (Lecture 1 hour, laboratory 4 hours.)

INE 242: Manufacturing Processes I

3 credit hours

Prerequisite: Industrial Education 142. Lectures, demonstrations, and laboratory work relating to methods, types of experiments, and characteristics of operations of machines and machine tools. Primary emphasis is placed on the effects of using machines, materials, processes. (Lecture 1 hour, laboratory 4 hours.)

INE 244: Materials Science and Testing

4 credit hours

Properties of engineering materials, basic structure of materials (mechanical, physical, chemical), control of properties during production and fabrication. Study of stress and elastic properties of various materials. Theory and laboratory work designed to serve all applied science students. (Lecture 3 hours, laboratory 2 hours.)

INE 247: Production Planning

3 credit hours

Prerequisite: Industrial Education 242. A study of planning, scheduling, routing, and dispatching in manufacturing operations and production control systems. Laboratory problems include designing plant layout for efficient operation and control. (Lecture 2 hours, laboratory 2 hours.)

INE 253: Fundamentals of Oil Hydraulics

3 credit hours

Study of basic fluid power with emphasis on principles of oil hydraulic power as applied to modern industrial equipment. (Lecture 2 hours, laboratory 2 hours.)

INE 290: Supervised Work Experience

3 credit hours

Prerequisite: Consultation with Industrial Education faculty and University permission. Course is for Industrial Education, Level I and Level II, teachers. Supervised employment in industry. Assignments individually arranged by the University and cooperating industry. Written reports and evaluations required.

INE 311: Construction

3 credit hours

Prerequisite: Course is open to Industrial Education (teacher education) majors and other students with instructor's approval. Survey of the construction industry, its related occupations, functions, and societal impact. Content will also include activities in basic carpentry, electrical wiring, plumbing, masonry, and structural building techniques. (Lecture 1 hour, laboratory 4 hours.)

INE 312: Manufacturing

3 credit hours

Prerequisite: Course is open to Industrial Education (teacher education) majors and other students with instructor's approval. Exploratory study of manufacturing industries, their organization, occupations, research, management, product design and refinement, production techniques, and societal impact by utilizing content areas of woods, metals, plastic, and industrial crafts. (Lecture 1 hour, laboratory 4 hours.)

INE 313: Visual and Audio Communications

3 credit hours

Prerequisite: Course is open to industrial education (teacher education) majors and other students with instructor's approval. Exploratory study of visual and audio communications industries, including related occupations. The course content also covers concepts and principles of drafting, printing, electrical/electronic communications. (Lecture 1 hour, laboratory 4 hours.)

INE 314: Transportation and Power

3 credit hours

Prerequisite: Course is open to industrial education (teacher education) majors and other students with instructor's consent. Exploration of the transportation and power industries including basic concepts and principles of power mechanics, electrical theory and power, and related occupational information. (Lecture 1 hour, laboratory 4 hours.)

INE 341: Motion and Time Study

3 credit hours

Prerequisites: Industrial Education 242 and 247. Principles involved in methods design and work measurements. Laboratory experiences include stop watch and micromotion studies of industrial operations and methods redesign, utilizing human engineering principles. (Lecture 2 hours, laboratory 2 hours.)

INE 343: Industrial Quality Control

3 credit hours

Prerequisite: Industrial Education 242. Principles and methods of controlling the quality of manufactured goods. Although statistical methods are included, primary emphasis is upon gauging and inspection. Laboratory experiences include precision measurement and inspection equipment. (Lecture 2 hours, laboratory 2 hours.)

INE 346: Numerical Control Fundamentals

3 credit hours

Prerequisites: Industrial Education 221 and 242 and Computer Science 101. Principles and techniques of controlling machine tools by means of numerical codes. Included is a study of E.I.A. and standards for numerical control. (Lecture 2 hours, laboratory 2 hours.)

INE 361: Fundamentals of Industrial Arts

3 credit hours

Historical, philosophical, programmatic, teacher certification, pedagogical, and professional/personal factors which have contributed to contemporary industrial education on the orientation and exploration levels (industrial arts). Planning and management of industrial laboratories including students, equipment, supplies, inventories, safety and efficient utilization of resources. Professional problems, activities, requirements, and responsibilities of industrial arts teachers are studied with the origin and organization of subject matter and selection/development/evaluation of instructional materials for industrial arts.

INE 362: Industrial Safety

3 credit hours

Safety principles and practices applied to industry and public sectors.

Discussion of optimum safety practices applied to industry and educational machinery. Department of Labor's application of OSHA Standards of Health and Safety. (Lecture.)

INE 461: Instructional Materials for Industrial Education

3 credit hours

Types, advantages, and disadvantages of instructional media for levels of industrial education; selection and arrangement of instructional content; development and use of information, operation, and assignment sheets; and instructional techniques, and/or procedures are examined. (Lecture.)

INE 462: Laboratory Planning and Management

3 credit hours

Prerequisite: Industrial Education 361 and/or departmental consent.

Principles of instructional laboratory planning as applied to types and locations of laboratories; layout of working areas per material flow, health and safety factors, etc.; selection, installation, and management of machinery, equipment, and tools; auxiliary facilities; and personnel management. (Lecture.)

INE 463: Plant Layout and Design

3 credit hours

Prerequisite: Industrial Education 247 or departmental approval.

Methods and techniques of planning the most effective arrangement of physical facilities for the manufacture of products. Problems will deal with equipment location, space utilization, layout for operations and control, work flow, and material handling. (Lecture.)

Department of Social Work/Criminal Justice

The Department of Social Work/Criminal Justice offers three degree programs. The degrees are an Associate in Applied Science in Criminal Justice Technology and a Bachelor of Science in Criminal Justice and a Bachelor of Science in Social Work. In addition, a minor is offered in Criminal Justice and in Gerontology.

Criminal Justice

Criminal Justice offers curricula leading to a four year Bachelor of Science degree in Criminal Justice and a two year Associate Degree in Applied Science in Criminal Justice Technology.

The departmental requirements for a Bachelor of Science degree in Criminal Justice are forty-eight (48) credit hours, with a minimum grade of "C" in each course taken within the area. The following Criminal Justice courses are **REQUIRED** for a Bachelor of Science degree: Criminal Justice, 101, 103, 200, 204, 205, 303, 304, 390, 402, 407, and 408. Baccalaureate degree students must also satisfy the University's Liberal Studies Requirements.

The remaining six (6) credit hours are Criminal Justice electives and may be selected on the basis of the student's area of interest.

The departmental requirements for an Associate in Applied Science degree are thirty-three (33) credit hours of Criminal Justice with a minimum grade of "C" in each course. The following are required Criminal Justice courses for an Associate in Applied Science: Criminal Justice 101, 200, 202, 203, 204 and 205.

The remaining twelve (12) credit hours may be selected on the basis of the student's area of interest.

The requirements for a minor in Criminal Justice are eighteen (18) credit hours with a minimum grade of "C" in each Criminal Justice course. The following Criminal Justice courses are required for a minor: Criminal Justice 101, 103, 200, 203, and 205.

The remaining three (3) credit hours may be selected on the basis of the student's area of interest.

Social Work

The Bachelor of Science degree program in Social Work is designed to prepare students for professional careers in Social Work and related human service areas. The curriculum utilizes class and field instruction to develop and strengthen the processes, values, skills and knowledge essential for alleviating problems that impair the social functioning of individuals, groups, and communities.

The requirement for an undergraduate degree in Social Work 135 credit hours. These hours include 46 hours in Social Work, 18 hours in Sociology, 9 hours of electives, 53 hours of Liberal Studies Requirements and 9 hours in additional related coursework. Students must consult with their faculty advisors in planning the most appropriate sequence of study.

Departmental requirements in Social Work are Social Work 201, 306, 308, 320, 321, 322, 324, 325, 406, 420, 424, and 425.

Gerontology Minor

The field of gerontology is interdisciplinary, that is, it combines studies in sociology, psychology, social work, education, medicine, biology, physiology, home economics, health, physical education, public affairs, and others.

The minor in gerontology consists of 21 credit hours. The requirements are Gerontology 101, 102, 201 and 301 plus 9 hours of electives from the following: Sociology 401, Gerontology 400, 401, and 402.

The minor in gerontology is approved by the Association of Gerontology in Higher Education.

Criminal Justice

Course Description

CJE 101: Introduction to Criminal Justice

3 credit hours

A survey course designed to give the student an overview of the criminal justice process. The primary focus is an analysis of local, state, and federal police, court and correctional agencies, and their relationship to each other.

CJE 103: Introduction to Criminal Law

3 credit hours

Prerequisite: Criminal Justice 101. The history and development of federal, state, and local law enforcement agencies with attention to the different functions, roles, and present issues in law enforcement.

CJE 201: Criminal Investigation

3 credit hours

Prerequisite: Criminal Justice 101. Major attention is given to crime scene protection, collection, preservation, and identification of evidence. The course also exposes the student to prints, casting, fingerprint classification, use of crime laboratory and crime detection.

CJE 202: Police and Patrol Services

3 credit hours

The study of the patrol function as viewed from the individual, supervisory, and organizational level. This includes the study of responsibilities, techniques, and methods of police patrol and public assistance by police organizations with particular emphasis on community relations.

CJE 203: Criminal Procedure

3 credit hours

Prerequisite: Criminal Justice 103. The study of pre-trial, trial, and post-trial procedures and rationales. An analysis of the positive and negative implications and/or consequences of the legal process.

CJE 204: Criminal Evidence

3 credit hours

Prerequisite: Criminal Justice 203. A study of rules of evidence with specific emphasis on their application in preparing and presenting evidence. The course will also include a discussion of the admissibility

requirements, burden of proof, testimonial privileges, hearsay evidence, and other practical considerations.

CJE 205: Introduction to Corrections

3 credit hours

Prerequisite: Criminal Justice 203. The study of the correctional process, including jails, prisons, and probation and parole. Emphasis will be placed on analysis of correctional theory and practice.

CJE 210: Community Relations and Criminal Justice

3 credit hours

Prerequisites: Criminal Justice 200. An in-depth study of the community relationship to law enforcement, correctional institutions, and other criminal justice agencies. Emphasis will be placed on problem solving techniques and conflict resolution.

CJE 303: Constitutional Issues in Criminal Justice I

3 credit hours

Prerequisite: Criminal Justice 204. The study of the United States Constitution and analysis of Supreme Court decisions stemming from the Fourth, Fifth, and Sixth Amendments.

CJE 304: Constitutional Issues in Criminal Justice II

3 credit hours

Prerequisite: Criminal Justice 303. This course is a continuation of Criminal Justice 303. It thoroughly examines Supreme Court decisions stemming from the First, Eighth, and Fourteenth Amendments.

CJE 310: Private Security

3 credit hours

Prerequisite: Criminal Justice 204 and 205. The study of the historical and philosophical development of private security. Emphasis will be placed on the responsibilities and legal problems of private agencies.

CJE 316: Principles of Victimology

3 credit hours

Prerequisites: Criminal Justice 204 and 205. An investigation of the needs and problems of the victims of crime from a psychological, financial, and medical point of view.

CJE 390: Criminal Justice Internship

3 credit hours

Prerequisite: Criminal Justice 204 and 205. This supervised placement in a public or private criminal justice agency is designed to enable the student to obtain practical experience in criminal justice. The instructor will coordinate the activities between the agency and the student. This course is restricted to third year criminal justice majors and minors. In-service students may elect to take another three hour course in Criminal Justice.

CJE 402: Juvenile Justice Process

3 credit hours

Prerequisites: Criminal Justice 205, 304, and Sociology 343. This course is designed to provide students with a detailed analysis and examination of the laws dealing with juvenile delinquents, status offenders, abused and neglected juveniles, and juvenile rights.

CJE 404: Community Corrections

3 credit hours

Prerequisites: Criminal Justice 205, 304, and Sociology 343. The study of the history and philosophy of probation, parole, and other community-based correctional programs. Emphasis is placed on methods of treatment of offenders, methods of decision making, and the community re-integration process.

CJE 405: Institutional Corrections

3 credit hours

Prerequisite: Criminal Justice 404. An examination of the prison process with emphasis on inmate-staff relationships, security procedures, and treatment procedure in prison.

CJE 407: Criminal Justice Administration I

3 credit hours

Prerequisite: Criminal Justice 304. The primary focus is on the principles of organization, administration, and functions of criminal justice agencies.

CJE 408: Criminal Justice Administration II

3 credit hours

Prerequisites: Criminal Justice 405 and 407. This course is a continuation of Criminal Justice 407 and examines management approaches and problems in criminal justice, including planning and evaluation techniques and the effective use of information systems.

CJE 409: Seminar in Criminal Justice

3 credit hours

Prerequisites: Criminal Justice 402 and 407. An examination of special issues in criminal justice with solutions to administrative problems.

CJE 495: Criminal Justice Research Study

3 credit hours

Prerequisites: Criminal Justice 304. An in-depth research effort in the field of criminal justice, may be a group or individual effort. This course is restricted to criminal justice majors and minors with cumulative grade point averages of 3.0 or above.

Social Work Course Descriptions

SOW 201: Career Choice and the Human Professions

3 credit hours

An analysis of professional practice for potential social work students, the course familiarizes students with and establishes a base for their awareness of various professional roles. Students will interact with human service professionals and will closely examine social work as a possible career.

SOW 306: Human Interaction I

4 credit hours

Prerequisite: Social Work 201. This course is designed to provide students with a basic knowledge of individuals as they develop over the life span and their membership in families, groups, organizations, and communities. It examines the relationships among biological, social, psychological, and cultural systems as they affect and are affected by human behavior.

SOW 308: Dynamics of Marriage and Family Relations

3 credit hours

Prerequisite: Sociology 204 or 205. Emphasizing the notion of diversity and change in the United States, particularly as it affects marriage and family life, studying the effects of the sexual revolution, women's liberation, women's roles and status, open marriages, legal abortion, etc.

SOW 320: Basic Skills in Social Work Methods

3 credit hours

Prerequisite: Sociology 321. Designed to provide beginning social work students with a generic approach and basic knowledge of social work methodology. Skills include problem solving, communication, inter-

view, recording, knowledge of available community resources, and helping relationships.

SOW 321: Social Welfare Policies, Issues and Programs I

3 credit hours

Prerequisite: Social Work 201. An overview of the historical and philosophical development of social welfare as an institution and social work as a profession; emphasis on the study of legislation from the Elizabethan Poor Law to the Social Security Act and its amendments.

SOW 322: Social Welfare Policies, Issues and Programs II

3 credit hours

Prerequisites: Social Work 201, 306, 308, 320, and 321. Major emphasis is placed upon accurate interpretation, in-depth analysis and understanding of social welfare policies, programs, and issues of institutional human service delivery systems. The influences of movements, ideologies, political conditions, and sociocultural attitudes are closely examined.

SOW 324: Field Instruction I

6 credit hours

Prerequisites: Social Work 201, 306, 308, 320, 321, and 322. Students will begin to utilize their knowledge base and practice skills and values in experiential learning within the social services network. This practicum, under faculty direction, will include approximately 24 hours per week within an agency setting and will be taken in conjunction with Social Work 325.

SOW 325: Social Work Seminar

6 credit hours

Prerequisites: Social Work 201, 306, 308, 321, and 322. A semi-weekly problem solving seminar in conjunction with first field practicum for students examining social issues, knowledge base, practice, policy, and values. Students, faculty and service providers will analyze students experiential learning as applied and integrated with curriculum. Taken in conjunction with Social Work 324.

SOW 406: Human Interaction II

4 credit hours

Prerequisites: Social Work 201, 306, 320, 321, 322, 324, and 325. This course is designed to examine and to integrate selected concepts about social functioning of individuals within social systems in the context of their implications for social work practice.

SOW 420: Advanced Skills in Social Work Methods

3 credit hours

Prerequisites: Social Work 201, 306, 308, 320, 322, 324, and 325. This course is designed to provide a generalist approach to selected concepts and principles for basic social work practice with selected social systems.

SOW 424: Field Instruction II

6 credit hours

Prerequisites: Social Work 201, 306, 320, 321, 322, and 325. Advanced field instruction will further develop a student's ability to analyze, conceptualize and apply their theoretical base, practice skills, values and experiential learning within the social service delivery network. Taken in conjunction with SOW 425.

SOW 425: Social Work Seminar II

4 credit hours

Prerequisites: Social Work 201, 320, 321, 322, 324, and 325. A semi-weekly advanced problem solving seminar in conjunction with second field practicum for students to further develop and refine skills in analysis, conceptualization, and application of theory, research, and literature to students' experiential learning. Taken in conjunction with SOW 424.

Gerontology

Course Descriptions

GNT 101: Introduction to Gerontology

3 credit hours

Study of aspects of the aging process: retirement, living arrangements, social relationships, government programs, community resources, rejection by families, and death.

GNT 102: Problems in Aging

3 credit hours

An analysis of the nature, extent, causes, and problems of aging. Emphasis will be upon economic, political, and personality factors found in the living patterns of the aged. An examination of resources available to deal with the problems will be included.

GNT 201: Applied Social Gerontology

3 credit hours

Designed for individuals who are going to work with the elderly through the initiation, development, implementation, and planning programs and policies. Focus will be upon the various professions in which Gerontology is applied.

GNT 301: Aging Issues, Policies, and Programs

3 credit hours

Designed to provide knowledge of aging as a social condition. Focuses on aging concepts, policy and organizations. Attention given to programming in relation to social needs, problems and goals.

GNT 400: Death and Dying

3 credit hours

This course will examine the final stages of human life including the anxieties, fears, and hopes of the dying and their significance to others, as well as the social, psychological and economical implications of death and the dying process.

GNT 401: Aging and Health

3 credit hours

Designed to dispel some of the traditional diagnostic and treatment myths. Discussion centers upon normal healthy aging versus mental illness in old age and endogenous (inside, i.e., personality) versus exogenous (outside, i.e., environmental) influences.

GNT 402: The Black Aged

3 credit hours

The primary objective is to present an analysis of the black aged. The course will unveil attitudes, values, and trends in the black culture related to aging.

Department of Public Affairs

The Department of Public Affairs offers courses leading to two undergraduate degrees, an Associate in Governmental Services/Public Affairs and a Bachelor of Public Affairs. A minor is also offered.

The course offerings for each degree rest heavily upon the social sciences, and are designed to attract students who desire a deeper understanding of public policy and/or intend to pursue careers in the public sector.

Associate in Applied Science

A minimum of 67 credit hours is required for an Associate in Applied Science degree. The course requirements in the professional core are Computer Science 100, Accounting 261, Sociology 306, Management 323, Political Science 341, Public Affairs, 305, 310, 360, 370, 400 and 435.

Bachelor of Public Affairs

A minimum of 132 credit hours is required for the Bachelor of Public Affairs degree. In addition to the Liberal Studies Requirements, the student must complete 70 credit hours in a professional core and 9 credit hours of professional electives.

Students with a special area of concentration in Public Affairs on the bachelor's level will be required to take courses from these areas:

- Area I** University Liberal Studies Requirements which apply to every Baccalaureate degree student enrolled in Kentucky State University.
- Area II** Multidisciplinary Professional Core requirements which consist of a total of 70 credit hours with a minimum grade of C in each course. Of these, 37 credit hours are courses in economics, accounting, English, speech, political science, management, psychology, and sociology. The remaining 33 credit hours in this area are public affairs courses to be chosen in consultation with the student's faculty advisor.
- Area III** Professional electives consist of a total of 9 credit hours that are selected in consultation with the student's faculty advisor.

Students selecting public affairs as a minor are required to take 24 credit hours of public affairs courses obtaining a minimum grade of C for each course. The following

courses are required for a minor in public affairs: Public Affairs 300, 310, 360, and 400. The remaining 6 credit hours are to be selected in consultation with the student's advisor.

A student with a special area of concentration in public affairs may take 6 credit hours of 500-level courses. A student minoring in public affairs may take 3 credit hours of 500-level courses. Public Affairs 491 Internship is encouraged for those students with a special area of concentration in public affairs who lack public sector work experience. Students must have the consent of the department chairperson and their faculty advisor to register for Public Affairs 491.

Course Descriptions

PUA 300: Political Economy

3 credit hours

Prerequisites: Economics 211 and 212. This course examines the relationship between government economic policy and the American economic system. Emphasis will be on current issues, incorporating both fiscal and monetary policy.

PUA 305: Organization Structure

3 credit hours

This course is concerned with the process of public organizations. Areas studied include the classical theories of organization, organization development, organizational dynamics, systems and structures.

PUA 310: Introduction to Policy Analysis

3 credit hours

Examination of the functions of policy analysis in political decision-making, including bases for judgment, analytical limitations, and other issues of design and implementation of policy studies.

PUA 322: Management Information Systems

3 credit hours

This course examines the psychological and behavioral aspects of information systems, conceptual life cycles, and information controls.

PUA 325: Data Management in the Public Sector

3 credit hours

This course is a case study approach to organizational decision making and behavioral problems confronted by the public sector in the automation of data management activities. Individual or group investigations, research studies or surveys of selected problems will be required.

PUA 360: Governmental Budgeting Process

3 credit hours

A study of the role of budgeting in the governmental process. Emphasis will be on budgetary theory, particularly as it relates to the functions of control and planning. The federal and the Kentucky budgetary processes will be examined.

PUA 370: Finance

3 credit hours

A study of financial management in governmental units. Some of the topics that will be examined are: financial planning and control; revenue sources; debt management; and modern expenditure management.

PUA 400: Functions of the Executive

3 credit hours

An examination of the roles of the executive in leadership control, policy making, policy implementation, and policy interpretation. Includes an examination of personality factors, institution and legal restrictions, and innovations in leadership styles.

PUA 435: Individual and Group Behavior in the Public Sector

3 credit hours

An examination of the effects of organizational structures, procedures, and interactions of personalities and behavior of individuals and groups in the public sector. Included is a study of abnormal personality traits and their consequences for organizational action and decision making.

PUA 441: Manpower in the Public Sector

3 credit hours

Presents the concepts and techniques used to analyze urban and regional areas from a manpower perspective. Included in this course is an analysis of varied urban and regional unemployment rates, income levels, skill shortages, and occupational mobility.

PUA 453: The Politics and Economics of Resource Allocation

3 credit hours

This course consists of two modules: one emphasizes the political and one the economics of resource allocation. Through case studies of budget development and implementation, students are introduced to budgeting as both a function of economic conditions and as an instrument of public policy formation.

PUA 460: Program Evaluation

3 credit hours

Analysis of the impact of programs and policies in the public sector. The student will examine the effects of selected programs on the public, interest groups, and political institutions; and will critically evaluate the analytical techniques used in impact studies.

PUA 465: Comparative Administrative Systems and Policies

3 credit hours

An analysis of public management in selected nations with specific focus on the comparison of public policies, programs and their implementations.

PUA 470: Public Affairs Research

3 credit hours

Application of social science research techniques to the problems of public sector management. Development of analytical perspectives in evaluating administrative research reports.

PUA 491: Internship

3 credit hours

Content determined by instructor. Practicum experience based on the interest of students and availability of placement openings in public sector agencies.

PUA 495: Directed Study

3 credit hours

An organized course of readings, oral and written reports, and examinations arranged by a faculty member whose areas of specialization coincides with the student's interest.

PUA 499: Senior Seminar

3 credit hours

Students will be required to do a seminar paper on any aspect of problems, policies or management techniques in the public sector. Students will also be instructed in resume preparation, interviewing techniques, and job search strategies. Job placement experiences will be included as an integral part of this course.

The School of Business

An understanding of how the economy functions is an increasingly important requirement of daily life. Those who plan careers in any of the business-related fields require sound preparation in the principles and problems of business management, operations, and human resources. But students not intending to emphasize coursework in the School of Business find that selective study of subjects such as management, economic theory, or organizational behavior proves useful to their learning in other areas. The School of Business seeks to acquaint every student at the University with the economic aspects of modern society. In particular, it provides coursework and research opportunities that allow students to develop the skills and techniques necessary to the improvement of business operations and provides the analytic experience

essential to administrative and managerial responsibilities in both the public and the private sectors of economic and organizational life.

The School of Business currently offers baccalaureate degrees in seven areas of concentration: Accounting, Business Administration, Business Education, Economics, Management, Marketing, and Office Administration. Two-year programs for the Associate in Applied Science degree are offered in Accounting and Office Administration.

A grade of C or better must be earned in all courses taken in the School of Business by those students intending to satisfy requirements for either a baccalaureate or an associate degree in the School of Business.

Business Administration Degree Requirements

Students pursuing the Bachelor of Science degree in Business Administration will follow a common core of courses for the first two years. The two-year core is the freshman and sophomore year program of the curriculum in Business Administration. Beginning with the junior year, students must then elect a major from the options of Accounting, Business Administration, Economics, Management or Marketing. Satisfying the requirements for the Bachelor of Science degree with majors in Accounting, Business Administration, Economics, Management, or Marketing should qualify the graduate for positions at mid-management levels or as management trainees in business, industry, and government, and for graduate study.

A Major in Business Administration

Students will follow the full four-year curriculum for Business Administration as outlined below. The Business Administration option is an area of concentration requiring a minimum of 48 credit hours prescribed and elected from courses covering the subjects of Accounting, Economics, Management, and Marketing.

Curriculum in Business Administration

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
HIS 103: Survey of Civilization	3	HED 221: Health and Safety Education	2
MAT 110: Intermediate Algebra	3	BUA 112: Business Mathematics	3
BIO 101: Life Science	3	*Natural Science Elective	3
BUA 121: Introduction to Business	3	SPE 103: Interpersonal Communication	3
ART 130: Introduction to Art		Mathematics Elective	3
or			17
MUS 130: Introduction to Music	3		
	18		

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 211: Introduction to Literature	3	PSY 200: General Psychology	3
ECO 211: Principles of Economics	3	ECO 212: Principles of Economics	3
ACC 261: Principles of Accounting	4	ACC 262: Principles of Accounting	4
#Computer Language	3	#Computer Language	3
IGS 200: Integrative Studies I	3	IGS 201: Integrative Studies II	3
	16		16

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
ECO 311: Business Statistics	3	ECO 312: Business Statistics	3
BUA 321: Business Law	3	BUA 322: Business Law	3
MKT 351: Principles of Marketing	3	MGT 333: Personnel Administration	3
MGT 323: Principles of Management	3	IGS 301: Integrative Studies	
ACC 365: Managerial Accounting	3	or	
IGS 300: Integrative Studies	3	IGS 400: Integrative Studies	3
	18	**Professional Electives	6
			18

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
ECO 324: Labor Problems	3	ECO 411: Money and Banking	3
BUA 456: Corporation Finance	3	MGT 370: Business Policies	3
ECO 421: Quant. Methods of Decision Making	3	Free Elective	3
ECO 401: Public Finance	3	**Professional Electives	6
**Professional Elective	3	#Report Writing	3
	15		18

*May be chosen from Chemistry, Physics, Biology, or Physical Science 201 or 202.

#Must be two semesters of the same Computer Language.

**May be chosen from those courses with prefixes of ACC, BUA, ECO, MGT, MKT, or RES.

#May take BUE 204: Business Communications or a course in Report Writing/Technical Writing.

A Major in Accounting

Students electing a major in Accounting must first complete the freshman and sophomore year requirements in the Business Administration curriculum. Junior and

senior year requirements for the Accounting major follow.

Curriculum in Accounting

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
ECO 311: Business Statistics	3	ECO 312: Business Statistics	3
BUA 321: Business Law	3	BUA 322: Business Law	3
ACC 361: Intermediate Accounting	3	ACC 362: Intermediate Accounting	3
MKT 351: Principles of Marketing	3	ACC 481: Cost Accounting	3
MGT 323: Principles of Management	3	IGS 301: Integrative Studies	
IGS 300: Integrative Studies	3	or	
	18	IGS 400: Integrative Studies	3
		##Report Writing	3
			18

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
ACC 485: Advanced Accounting	3	ECO 311: Money and Banking	3
ACC 462: Federal Income Taxation	3	ACC 483: Auditing	3
BUA 456: Corporation Finance	3	MGT 370: Business Policies	3
ECO 421: Quant. Methods of Decision Making	3	**Professional Elective	3
###Accounting Elective	3	###Accounting Elective	3
	15		15

##May take BUE 204: Business Communications or a course in Report Writing/Technical Writing.

**Must be chosen from courses with prefixes of ACC, BUA, ECO, MGT, MKT, or RES.

###May be chosen only from those courses with ACC prefix.

A Major in Economics

Students electing a major in Economics must first complete the freshman and sophomore year requirements in the Business Administration curriculum. Junior and

senior year requirements for the Economics major follow.

Curriculum in Economics

JUNIOR YEAR			
Fall Semester	Hours	Spring Semester	Hours
ECO 322: Microeconomics	3	ECO 323: Macroeconomics	3
ECO 311: Business Statistics	3	ECO 312: Business Statistics	3
BUA 321: Business Law	3	BUA 322: Business Law	3
ECO 324: Labor Problems	3	ECO 329: International Economics	3
IGS 300: Integrative Studies	3	IGS 301: Integrative Studies	
**Professional Elective	3	or	
	18	IGS 400: Integrative Studies	3
		**Professional Elective	3
			18
SENIOR YEAR			
Fall Semester	Hours	Spring Semester	Hours
ECO 422: Current Economics	3	ECO 411: Money and Banking	3
ECO 401: Public Finance	3	**Report Writing	3
ECO 421: Quant. Methods of Decision Making	3	**Professional Electives	6
**Professional Electives	6		12
	15		

**May be chosen from courses with prefixes of ACC, BUA, ECO, MOT, MKT, or RES.

**May take BUE 204: Business Communications or a course in Report Writing/Technical Writing.

A Major in Management

Students electing a major in Management must first complete the freshman and sophomore year requirements in the Business Administration curriculum. Junior and senior year requirements for the Management major follow.

Curriculum in Management

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
MGT 323: Principles of Management	3	MGT 380: Principles & Prob. of Transport.	3
MKT 351: Principles of Marketing	3	MGT 390: International Business Management	3
ACC 365: Managerial Accounting	3	ECO 312: Business Statistics	3
ECO 311: Business Statistics	3	BUA 322: Business Law	3
BUA 321: Business Law	3	IGS 301: Integrative Studies	
IGS 300: Integrative Studies	3	or	
	18	IGS 400: Integrative Studies	3
		MGT 333: Personnel Administration	3
			18

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
MGT 452: Transportation & Bus. Logistics	3	MGT 460: Human Behavior in Organization	3
ECO 324: Labor Problems	3	MGT 455: Production Management	3
BUA 456: Corporation Finance	3	ECO 411: Money and Banking	3
**Professional Elective	3	MKT 420: Marketing Management	3
##Report Writing	3	MGT 370: Business Policies	3
	15		15

**May be chosen from courses with prefixes of ACC, BUA, ECO, MGT, MKT, or RES.

##May take BUE 204: Business Communications or a course in Report Writing/Technical Writing.

A Major in Marketing

Students electing a major in Marketing must first complete the freshman and sophomore year requirements

in the Business Administration curriculum. Junior and senior year requirements for the Marketing major follow.

Curriculum in Marketing

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
MKT 351: Principles of Marketing	3	MKT 360: Advertising Management	3
MGT 323: Principles of Management	3	MKT 355: Sales Management	3
MKT 353: Marketing Communications	3	MGT 390: International Business Management	3
ACC 365: Managerial Accounting	3	##Report Writing	3
ECO 311: Business Statistics	3	ECO 312: Business Statistics	3
BUA 321: Business Law	3	BUA 322: Business Law	3
	18		18

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
MKT 440: Consumer Behavior	3	MKT 453: Principles of Retailing	3
MKT 430: Marketing Research	3	MKT 420: Marketing Management	3
ECO 324: Labor Problems	3	MGT 460: Human Behavior in Organization	3
**Professional Elective	3	ECO 411: Money and Banking	3
IGS 300: Integrative Studies	3	IGS 301: Integrative Studies	
	15	or	
		IGS 400: Integrative Studies	3
		MGT 370: Business Policies	3
			18

##May take BUE 204: Business Communications or a course in Report Writing/Technical Writing.

**May be chosen from courses with prefixes of ACC, BUA, ECO, MGT, MKT, or RES.

Minor in Accounting

Students electing a minor in Accounting should take the following course sequence. *Prerequisite:* Students should have already satisfactorily completed Mathematics 110.

Course	Hours
BUA 121: Introduction to Business	3
ACC 261: Principles of Accounting	4
ACC 262: Principles of Accounting	4
ACC 361: Intermediate Accounting	3
ACC 362: Intermediate Accounting	3
ACC 481: Cost Accounting	3
ECO 211: Principles of Economics	3
	23

Minor in Economics

Students electing a minor in Economics should take the following course sequence. *Prerequisite:* Students should have already satisfactorily completed Mathematics 110.

Course	Hours
ECO 211: Principles of Economics	3
ECO 212: Principles of Economics	3
ECO 311: Business Statistics	3
ECO 322: Microeconomics	3
ECO 323: Macroeconomics	3
ECO 324: Labor Problems	3
ECO 411: Money and Banking	3
	21

Business Education Degree Requirements

The curricula in Business Education serve to prepare qualified teachers of Business Education at the secondary level. The programs lead to a Bachelor of Science degree with teaching certificates of two forms: Administrative Support Services and Basic Business. The curriculum in Administrative Support Services is to prepare and certify students to teach office services at the secondary level. The Basic Business curriculum is designed for students

who wish to teach business subjects exclusive of skills courses and other secretarial courses. A minimum of 30 credit hours is required for each specialty.

Business Education majors should review regularly the requirements for admission to Teacher Education as well as those for Admission to Supervised Teaching described elsewhere in this catalogue.

Curriculum in Business Education

Administrative Support Services (Secretarial Studies)

Fall Semester	Hours	Spring Semester	Hours
ENG 101: Composition	3	ENG 102: English Composition	3
BIO 101: Life Science	3	BUA 112: Business Mathematics	3
HIS 103: Survey of Civilization	3	HED 221: Health and Safety Education	2
#OAD 103: College Typewriting	3	OAD 104: College Typewriting	3
MAT 110: Intermediate Algebra	3	ART 130: Introduction to Art	
PHE Activity	1	or	
	16	MUS 130: Introduction to Music	3
		*Natural Science Elective	3
		PHE Activity	1
			18

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 211: Introduction to Literature	3	BUE 204: Business Communications	3
#OAD 211: Elementary Stenography	3	OAD 212: Advanced Stenography	3
ACC 261: Principles of Accounting	4	OAD 325: Machine Mathematics	3
PSY 200: General Psychology	3	SPE 103: Interpersonal Communication	3
EDU 294: Introduction to Teaching	2	EDU 221: Human Growth: Dev. Psychology	3
IGS 200: Integrative Studies I	3	IGS 201: Integrative Studies II	3
	18		18

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
OAD 311: Dictation and Transcription	3	BUE 360: Principles of Business Education	3
BUA 321: Business Law	3	OAD 330: Information Processing I	3
**ECO 211: Principles of Economics	3	EDU 301: Educational Psychology	3
OAD 324: Information and Records Management	3	EDU 310: Intro. to Exceptional Education	3
IGS 300: Integrative Studies	3	IGS 301: Integrative Studies	
COS 101: Programming Fundamentals		or	
or		IGS 400: Integrative Studies	3
COS 100: Intro. to Electronic Data Process.	3		15
	18		

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
BUE 402: Meth. & Materials in Office Serv.	1-3	EDU 394: Clinical Experience in Teaching	4
BUE 412: Educational Measurement in Bus. Ed.	3	EDU 494: Supervised Teaching	12
EDU 442: Educational Media Instruction	3		16
EDU 452: Fund. & Admin. Secondary Education	3		
OAD 421: Executive Office Procedures	3		
	13-15		

*May be chosen from Chemistry, Physics, Biology, or Physical Science 201 or 202.

#Persons who have had some amount of formal training in typewriting or shorthand will be required to take a placement examination in each area. On the basis of the test results, they shall be admitted to either OAD 100 or 103 and OAD 211 or 212. Business Education majors will be required to complete OAD 103, 104, 211, 212, and 311 unless they can prove their ability to satisfy the requirements of OAD 103, 211, and 212 by examination. The Business Education major then must register for OAD 104 and OAD 311.

**Satisfies the Liberal Studies Requirements.

Curriculum in Business Education

Basic Business

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
HIS 103: Survey of Civilization	3	BUA 112: Business Mathematics	3
BIO 101: Life Science	3	HED 221: Health and Safety Education	2
#OAD 103: College Typewriting	3	OAD 104: College Typewriting	3
MAT 110: Intermediate Algebra	3	*Natural Science Elective	3
PHE Activity	1	ART 130: Introduction to Art	
	16	or	
		MUS 130: Introduction to Music	3
		PHE Activity	1
			18

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 211: Introduction to Literature	3	BUE 204: Business Communications	3
**ECO 211: Principles of Economics	3	ECO 212: Principles of Economics	3
ACC 261: Principles of Accounting	4	ACC 262: Principles of Accounting	4
EDU 294: Introduction to Teaching	2	EDU 221: Human Growth: Dev. Psychology	3
PSY 200: General Psychology	3	OAD 325: Machine Mathematics	3
IGS 200: Integrative Studies I	3		16
	18		

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
BUA 321: Business Law	3	OAD 330: Information Processing I	3
MGT 323: Principles of Management	3	EDU 301: Educational Psychology	3
MKT 351: Principles of Marketing	3	BUE 360: Principles of Business Education	3
COS 100: Intro. to Electronic Data Process.		EDU 310: Intro. to Exceptional Education	3
or		**Accounting Elective	3
COS 101: Programming Fundamentals	3	IGS 301: Integrative Studies	
SPE 103: Interpersonal Communication	3	or	
IGS 300: Integrative Studies	3	IGS 400: Integrative Studies	3
	18		18

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
BUE 400: Meth. & Materials in Social Business Subjects & Bookkeeping	3	EDU 394: Clinical Experience in Teaching	4
BUE 402: Meth. & Materials in Office Serv.	1-3	EDU 494: Supervised Teaching	12
BUE 412: Educational Measurement in Bus. Ed.	3		16
EDU 442: Educational Media Instruction	3		
EDU 452: Fund. & Admin. Secondary Education	3		
OAD 421: Executive Office Procedures	3		
	16-18		

*May be chosen from Chemistry, Physics, Biology, or Science 201 or 202.

#Persons who have had some amount of formal training in typewriting or shorthand will be required to take a placement examination in each area. On the basis of the test results, they shall be admitted to either OAD 100 or OAD 103 and OAD 211 or 212. Business Education majors will be required to complete OAD 103, 104, 211, 212, and 311 unless they can prove their ability to satisfy the requirements of OAD 103, 211, and 212 by examination. The Business Education major then must register for OAD 104 and 311.

**Satisfies the Liberal Studies Requirements.

##May be chosen from those courses with ACC prefix.

Office Administration Degree Requirements

Students satisfying the requirements for the Bachelor of Science degree in Office Administration are qualified for positions in office services including positions such as

office supervisor, administrative secretary, executive secretary, and office manager. Graduates may also qualify for positions in word processing.

Curriculum in Office Administration

FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
BIO 101: Life Science	3	BUA 112: Business Mathematics	3
HIS 103: Survey of Civilization	3	*Natural Science Elective	3
OAD 103: College Typewriting	3	OAD 104: College Typewriting	3
MAT 110: Intermediate Algebra	3	HED 221: Health and Safety Education	2
PHE Activity	1	ART 130: Introduction to Art	
	16	or	
		MUS 130: Introduction to Music	3
			17

SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 211: Introduction to Literature	3	SPE 103: Interpersonal Communication	3
BUA 121: Introduction to Business	3	PSY 200: General Psychology	3
ACC 261: Principles of Accounting	4	ACC 262: Principles of Accounting	4
OAD 211: Elementary Stenography		OAD 212: Advanced Stenography	
or		or	
OAD 271: Machine Shorthand I	3	OAD 272: Machine Shorthand II	3
IGS 200: Integrative Studies I	3	IGS 201: Integrative Studies II	3
OAD 324: Information and Records Mgmt.	3	PHE Activity	1
	19		17

JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
ECO 211: Principles of Economics	3	ECO 212: Principles of Economics	3
OAD 325: Machine Mathematics	3	OAD 330: Information Processing I	3
BUA 321: Business Law	3	BUA 322: Business Law	3
MGT 323: Principles of Management	3	MGT 333: Personnel Administration	3
IGS 300: Integrative Studies	3	BUE 204: Business Communications	3
OAD 311: Dictation and Transcription	3	Computer Science Elective	3
	18		18

SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
POS 101: American Government	3	ECO 411: Money and Banking	3
BUE 442: Administrative Office Management	3	**Professional Electives	9
OAD 421: Executive Office Procedures	3	IGS 301: Integrative Studies	
OAD 331: Information Processing II		or	
Computer Science Elective	3	IGS 400: Integrative Studies	3
	<u>15</u>		<u>15</u>

*May be chosen from Chemistry, Physics, Biology, or Physical Science 201 or 202.

#Persons who have had some amount of formal training in Typewriting or Shorthand will be required to take a placement examination in each area. On the basis of test results, they shall be admitted to either OAD 100 or 103 and OAD 211 or 212.

**May be chosen from courses with prefixes of ACC, BUA, ECO, MGT, MKT, or RES.

Associate in Applied Science Degrees

Through its two-year programs, the School offers accelerated programs in Accounting and Office Administration. A minimum of 60 credit hours are

required in order to earn the Associate in Applied Science degree in the respective occupational area.

Accounting

(Two-Year Curriculum)

The two-year course in Accounting is designed to provide students with the necessary background for employment in the area of Accounting.

FIRST YEAR			
Fall Semester	Hours	Spring Semester	Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
MAT 110: Intermediate Algebra	3	BUA 112: Business Mathematics	3
BUA 121: Introduction to Business	3	*Report Writing	3
ACC 261: Principles of Accounting	4	ACC 262: Principles of Accounting	4
HIS 103: Survey of Civilization	3	Computer Science Elective	3
	16		16
SECOND YEAR			
Fall Semester	Hours	Spring Semester	Hours
ECO 211: Principles of Economics	3	ECO 212: Principles of Economics	3
BUA 321: Business Law	3	BUA 322: Business Law	3
ACC 361: Intermediate Accounting	3	ACC 362: Intermediate Accounting	3
ACC 462: Federal Income Taxation	3	#Accounting Elective	3
ECO 311: Business Statistics	3	**Professional Elective	3
	15		15

*May take BUE 204: Business Communications or a course in Report Writing/Technical Writing.

#May be chosen from courses with prefix of ACC.

**May be chosen from those courses with prefixes of ACC, BUA, ECO, MGT, MKT, or RES.

Office Administration

(Two-year Curriculum with Three Options: Medical Secretary; Legal-technical Secretary; or Office Administration)

The two-year curriculum in Office Administration is designed to prepare students for employment in general secretarial and clerical fields. This program is especially planned for the person who does not wish to pursue a Bachelor's degree, but is interested in acquiring the requisite competencies and skills for gainful employment.

FIRST YEAR

Fall Semester	Hours	Spring Semester	Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
MAT 110: Intermediate Algebra	3	BUA 112: Business Mathematics	3
*OAD 103: College Typewriting	3	OAD 104: College Typewriting	3
BUA 121: Introduction to Business	3	HIS 103: Survey of Civilization	3
*OAD 211: Elementary Stenography		OAD 212: Advanced Stenography	
or		or	
OAD 271: Machine Shorthand I	3	OAD 272: Machine Shorthand II	3
OAD 324: Information and Records Mgmt.	3	OAD 325: Machine Mathematics	3
	18		18

SECOND YEAR

Fall Semester	Hours	Spring Semester	Hours
ACC 261: Principles of Accounting	4	BUE 204: Business Communications	3
ECO 211: Principles of Economics	3	OAD 421: Executive Office Procedures	3
**OAD 311: Dictation and Transcription	3	**POS 341: Intro. to Public Administration	3
#BUA 321: Business Law		PSY 200: General Psychology	3
or		Speech Elective	3
POS 325: Judicial Process	3	***Professional Elective	3
BUE 442: Administrative Office Mgmt.	3		18
Computer Science Elective	3		
	19		

*Persons who have had some amount of formal training in typewriting or shorthand shall be required to take a placement examination in each area. On the basis of the test results, they shall be admitted to either OAD 100 or 103 and OAD 211 or 212.

#BUA 321 is required of the two-year Office Administration option; POS 325 is required for the Medical Secretary option.

**Those taking the Medical Secretary option will have specialized medical dictation and transcription; those taking the Legal-technical Secretary option will have specialized legal dictation and transcription.

***Required of those taking the Legal-technical Secretary option.

***May be chosen from courses with prefixes of ACC, BUA, ECO, MGT, MKT, or RES.

Accounting

Course Descriptions

ACC 261: Principles of Accounting.
4 credit hours

A study of the fundamental principles of accounting as they apply to modern business practice, including the theory of debit and credit, accounting records of various kinds, sample balance sheets, and income statements. Three lectures and three laboratory periods each week.

ACC 262: Principles of Accounting.
4 credit hours

Prerequisite: Accounting 261. In this course the student is acquainted with accounting fundamentals involving corporations, partnerships, investments, manufacturing operations, and analyzing financial statements.

ACC 361: Intermediate Accounting.
3 credit hours

Prerequisite: Accounting 262. A comprehensive survey of current accounting theory and problems applicable to modern business enterprises.

ACC 362: Intermediate Accounting.
3 credit hours

Prerequisite: Accounting 361. A continuation of the study of current accounting theory and problems applicable to modern business enterprises.

ACC 365: Managerial Accounting.
3 credit hours

Prerequisite: Accounting 262. A study of the use of accounting information and accounting techniques in the decision-making process.

ACC 385: Accounting Systems.
3 credit hours

Prerequisite: Accounting 262. An exploration of the flows of information and resources throughout the entity with respect to management decision-making and control. Documentation of the system and the flows are explained. Computer and noncomputer systems are considered, along with the problems of installing, managing and auditing a computer system.

ACC 461: Governmental Accounting.

3 credit hours

Prerequisite: Accounting 261. A study of budgetary controls, systems, theories, and an application of the principles of fund accounting and reporting for governmental units.

ACC 462: Federal Income Taxation.

3 credit hours

Prerequisite: Accounting 262. Interpretation of federal income tax laws and rules and regulations applicable to individuals and business. Attention is given to research in federal income taxation and court decisions.

ACC 463: Advanced Federal Income Taxation.

3 credit hours

Prerequisite: Accounting 462. Interpretation of federal income tax laws; rules and regulations applicable to partnerships, corporations, reorganization, fiduciaries, and gifts; and attention is given to research in federal income taxation and court decisions.

ACC 471: Current Topics in Accounting.

3 credit hours

Prerequisite: Accounting 362. Current topics in accounting literature are discussed. Students will prepare reports on particular chosen topics.

ACC 481: Cost Accounting I.

3 credit hours

Prerequisite: Accounting 262. A study of the principles, practices, and procedures involved in collecting, assembling, analyzing, and controlling manufacturing costs.

ACC 482: Cost Accounting II.

3 credit hours

Prerequisite: Accounting 481. A study of the accounting concepts and procedures in capital budgeting, cost allocation theory, segment performance measurements, cost behavioral aspects, and quantitative approaches to dealing with constraints and uncertainty.

ACC 483: Auditing.

3 credit hours

Prerequisite: Accounting 362. A study of auditing including the history, scope of service, ethics, and responsibilities. Auditing techniques and procedures used in independent audits are discussed. Consideration is given to the types, limitations, and contents of audit working papers and audit reports as prepared by the independent auditor.

ACC 485: Advanced Accounting.

3 credit hours

Prerequisite: Accounting 362. A comprehensive study of selected accounting problems including partnership, consolidated statements, fiduciaries, receivership, and foreign currency translation.

ACC 488: CPA, CMA Examination Problems.

3 credit hours

Prerequisite: Senior classification. The structure and composition of the examinations are considered along with the administration of each examination. The course is intended to provide familiarization of the examinations, suggestions and guidance for needed review in the subject matter, and working sample problems.

Business Administration

Course Descriptions

BUA 112: Business Mathematics.

3 credit hours

Prerequisite: Mathematics 110. The development of arithmetic skills and the application of these to business problems including mark-ups, insurance partnerships, corporation problems, sinking funds, computation of interest, and present values and annuities.

BUA 121: Introduction to Business.

3 credit hours

A study of the fundamental principles of business organization, finance, banking, credit management, salesmanship, and advertising. Required of all Business majors and prerequisite to all Business courses.

BUA 290, 390, 490: Business Internship.

3-6 credit hours

Requirement: Recommendation by the School Dean. Work experience of a coop nature designed to enable the student to acquire practical on-the-job experience as he pursues his coursework. Business Administration 290 and 390 will be offered the summers following the freshman and sophomore years, respectively. BUA 490 will be offered the summer following the junior year and during the last semester of the senior year.

BUA 321-322: Business Law.

3 credit hours each

Prerequisite: Junior standing. A study of the legal aspects of business relating to contracts, agency, negotiable instruments, organization, real and personal property, and the application of legal theories to cases.

BUA 456: Corporation Finance.

3 credit hours

Prerequisite: Accounting 261 and Economics 212. An examination of the principles of financing capital and securities for business organizations.

Business Education

Course Descriptions

BLE 204: Business Communications.

3 credit hours

Prerequisite: Office Administration 100 or the equivalent; English 101 and 102. Emphasis is placed on communication theory and its application primarily to business writings — letters, memorandums, and reports — with correct and forceful English. Techniques for effective dictation and procedures used for solving internal business reporting problems are also included.

BLE 340: Principles of Business Education.

3 credit hours

Consideration of the philosophy and problems underlying practices and methods in the teaching of general business, bookkeeping, shorthand.

typewriting, and related business subjects offered in secondary and postsecondary institutions.

BUE 400: Methods and Materials in Bookkeeping and Social Business Subjects.

3 credit hours

Prerequisite: Accounting 262, Business Education 360, and Economics 212. Methods, techniques, and materials used in the teaching of bookkeeping/accounting and basic business and economic education courses taught in junior and secondary schools. The concepts of performance objectives and competency-based learning are emphasized.

BUE 402: Methods and Materials in Office Services.

3 credit hours

Prerequisite: Business Education 360. Special methods, strategies, techniques, and devices used in the teaching of shorthand, typewriting, secretarial office procedures, and other skills courses. Basic Business teaching majors are to elect the Typewriting module of this course.

BUE 412: Educational Measurement in Business Education.

3 credit hours

Prerequisite: Business Administration 112; Office Administration 325; Business Education 360; or senior standing. Principles of testing and evaluating business subjects: test selection and construction; analyzing, interpreting, and converting test scores.

BUE 442: Administrative Office Management.

3 credit hours

Problems involved in planning and directing the function of business and professional offices including office building, layout, form construction, systems management, and the preparation of office manuals.

Economics Course Descriptions

ECO 200: Survey of Economics.

3 credit hours

A basic survey of economics principles treating microeconomics and macroeconomics. A course offered for nonmajors by the School of Business.

ECO 211: Principles of Economics.

3 credit hours

This course introduces the basic principles of microeconomics. It treats the background and overview of how the American economy works, consumer behavior, business decision-making, market structure, income distribution, general equilibrium, and welfare economics.

ECO 212: Principles of Economics.

3 credit hours

Prerequisite: Economics 211. This course introduces the basic principles in macroeconomics. Following an overview of both the private and public sectors, it introduces basic principles of national income determination, money and banking, economic growth, and international economics.

ECO 311-312: Business Statistics.

3 credit hours

Prerequisite: Business Administration 112 and Economics 212. The

study of the theories and techniques of statistical methods applicable to economics and business and the development of tools necessary for decision-making as employed in research.

ECO 322: Microeconomics.

3 credit hours

Prerequisite: Economics 212. A systematic development of static and dynamic theories of aggregate economics, the measurement of economic activity, determination of national income, growth and fluctuations, and problems in the control of economic activity.

ECO 323: Macroeconomics.

3 credit hours

Prerequisite: Economics 212. This course is designed to provide an intensive study of economic analysis of consumption, output, price and factor proportion problems of firms in different market structures, and distribution of income.

ECO 324: Labor Problems.

3 credit hours

Prerequisite: Economics 212. A study of the labor market and the labor movement. Among the labor problems studied are wage rates, unemployment, industrial accidents and worker's compensation, and industrial disputes. Emphasis is placed on the relationship between the organized labor movement and other groups in our economy.

ECO 325: Comparative Economic Systems.

3 credit hours

Prerequisite: Economics 212. A study of the ideologies and functioning of capitalism, communism, and socialism. Emphasis is placed on the operation of basic economic institutions and the manner in which various economic principles and theories operate in each of the systems.

ECO 329: International Economics.

3 credit hours

Prerequisite: Economics 212. A description and analysis of the international economic relationships among the nations of the world with emphasis on the United States, international trade in merchandise, services, unilateral transfers or donations, and international capital movements are examined together with balances of payments and the international monetary system.

ECO 401: Public Finance and Taxation.

3 credit hours

Prerequisite: Economics 212. An examination of the receipt and expenditures of public funds and systems of taxation and debt.

ECO 411: Money and Banking.

3 credit hours

Prerequisite: Economics 212. A study of our monetary and banking systems. Emphasis is placed on the role of the Federal Reserve System, monetary theories, relationship of money to credit and prices, and current monetary problems.

ECO 416: Managerial Economics.

3 credit hours

Prerequisite: Economics 212. The objective of the course is to demonstrate the practical application of economic theories in the managerial decision-making process in such areas as demand and demand forecasting, pricing under various market structures, capital budgeting, and the location and physical distribution of production.

ECO 421: Quantitative Methods of Decision-Making.

3 credit hours

Prerequisites: Economics 312. Topics included in this course are calculus, functions, matrix algebra, linear programming, various models, and decision theory.

ECO 422: Current Economics.

3 credit hours

Prerequisite: Economics 212. An application of economic theories and principles to contemporary economic problems.

Management Course Descriptions

MGT 323: Principles of Management.

3 credit hours

Prerequisite: Economics 212. The purpose of this course is to give the student a working knowledge of fundamental principles underlying the management of business enterprises. The student is acquainted with methods of identifying and evaluating the influences upon a business enterprise and then given a comprehensive view of modern practices of planning, supervising, organizing, and controlling various functional activities.

MGT 333: Personnel Administration.

3 credit hours

Prerequisite: Economics 212. An examination of supervision of employees and the development of policies relating to effective utilization of human resources in business concerns.

MGT 370: Business Policies.

3 credit hours

Prerequisites: Business Administration 121, Accounting 262, and Economics 212. A course in which students will gain experience through the implementation of general management tasks of strategy formulation and organizational implementation of simulated business firms.

MGT 380: Principles and Problems of Transportation.

3 credit hours

Prerequisite: Management 323. An analysis of selected case problems in transportation management, location of facilities, equipment selection and regulations, national transportation policies, air pollution problems, and problems of the transportation mode as well as transportation principles.

MGT 390: International Business Management.

3 credit hours

Prerequisites: Management 323 and Marketing 351. A study of management of international trade organizations, marketing information, relations of foreign governments, getting international orders, international physical distribution management, and other environmental management in the international business areas.

MGT 452: Transportation and Business Logistics.

3 credit hours

Prerequisites: Management 323 and 380. A study of the economics of transportation service, location and population of industry, factors and principles of transportation, communication and order processing in design, and operations of efficient logistics system which provides total control in transportation and logistics management.

MGT 460: Production Management.

3 credit hours

Prerequisites: Management 323 and 380. A study of managerial decision making in the production and operations area. An analysis of case study, quantitative materials and problems, as well as analysis of the application of mathematics and statistics to problems of demand forecasting, resources allocation, scheduling, and inventory control.

MGT 460: Human Behavior in Organization.

3 credit hours

Prerequisites: Management 323 and 370. An analysis of organizational theory concerning the behavior of persons in organized settings. A study of personality, values, motivation, leadership, authority in groups, and the structure and process of informal groups.

MGT 460: Principles of Small Business Management.

3 credit hours

Prerequisites: Management 323 and 370 or approval of instructor. This course is an elective in the School of Business. It is a study of small business management concepts, procedures, organization, location, records and costs, among other topics.

Marketing Course Descriptions

MKT 351: Principles of Marketing.

3 credit hours

Prerequisite: Economics 212. Study of the movement of goods from producers to consumers and an examination of the functions of the marketing process, marketing institutions, channels of distribution, legal aspects, and policy considerations.

MKT 353: Marketing Communications.

3 credit hours

Prerequisite: Junior standing. A study of introduction of marketing communications, identification of marketing communication goals, analysis of advertising, personal selling, and sales promotions as communication techniques.

MKT 355: Sales Management.

3 credit hours

Prerequisites: Marketing 351 and Management 232. An examination of the general and specific knowledge and background of sales management areas. Special emphasis is given to the decisions involved managing the sales force and on the evaluation of the selling performances as measured by analytical method.

MKT 360: Advertising Management.

3 credit hours

Prerequisite: Marketing 351 and Management 323. A study of the functions of advertising and decision-making by the advertising manager. An analysis of effective advertising and managerial skills of areas such as newspapers, magazines, television, radio, direct mail, and other advertising media.

MKT 395: International Marketing.

3 credit hours

Prerequisites: Management 323, Marketing 351, or approval of instructor. This course is an elective in the School of Business. It explores international marketing strategies, concepts, etc., and covers cultural, economic, political and other environments in the system.

MKT 420: Marketing Management.

3 credit hours

Prerequisite: Marketing 351 and Management 323. A study of the viewpoints of the marketing executive whose responsibility is coordination of the objectives and resources of the firm with opportunities existing in marketing whose strategies and tactics relate to the basic administrative process of analysis, organization, planning, and control.

MKT 430: Marketing Research.

3 credit hours

Prerequisite: Marketing 351 and Management 323. A study of the scope of marketing research, research design, sampling methods and problems, data collection, research report writing, and applications.

MKT 440: Consumer Behavior.

3 credit hours

Prerequisite: Marketing 351. A study of the economic, psychological, and cultural factors for determining the behavior patterns of consumers. Analysis of information for economics, psychology, social psychology, and cultural anthropology as a determinant of behavior which is important to the marketing process.

MKT 463: Principles of Retailing.

3 credit hours

Prerequisite: Marketing 351. This course is designed to acquaint the student with such fundamentals as buying, sales promotion, pricing, control and store finance of various retail enterprises, and how they operate to serve both consumer and producer of commodities.

Office Administration

Course Descriptions

OAD 100: Elementary Typewriting.

2 credit hours

Basic typewriting instruction designed to develop proficiency in the use of the typewriter in communications. For maximum proficiency student should be able to typewrite simple letters, tables, and manuscripts in satisfactory form, arrangement, appearance, and within reasonable periods of time. Student should attain the skill to typewrite a minimum of 35 words per minute on straight copy material for five minutes with a high degree of accuracy.

OAD 103: College Typewriting I.

3 credit hours

Prerequisite: Admission by examination or the successful completion of Office Administration 100. Along with measurement of straight copy progress, emphasis is placed upon the application of typewriting to business office jobs - business letters, business forms, tabulations, manuscripts, and legal documents. Required for Business Education and Office Administration majors.

OAD 104: College Typewriting II.

3 credit hours

Prerequisite: Office Administration 103 or admission by examination. Emphasis is placed upon production work incorporating a complex of office problems requiring the use of the typewriter for solutions. High-level skill in handling the various types of duplicating jobs and typing from machine dictation are abilities to be developed in this course. Required of Business Education and Office Administration majors.

OAD 211: Elementary Stenography.

3 credit hours

A mastery of the principles of Gregg Shorthand with emphasis on the reading and writing of shorthand notes.

OAD 212: Advanced Stenography.

3 credit hours

Prerequisite: Office Administration 211 or its equivalent. Continuation of Office Administration 211. Emphasis is upon speed and accuracy in recording dictation and transcribing.

OAD 271: Machine Shorthand I.

3 credit hours

The course is designed to result in the mastery of the principles of Stenograph machine shorthand with emphasis on the reading and stroking of shorthand notes.

OAD 272: Machine Shorthand II.

3 credit hours

Prerequisite: Office Administration 271. Continued acquisition of the principles of Stenograph machine shorthand with emphasis upon speed in recording dictation and transcribing.

OAD 311: Dictation and Transcription.

3 credit hours

Prerequisite: Office Administration 212 or 272. Includes general use, medical, and legal dictation and transcription; the acquisition of transcribing skills on transcription machines; standard mailable transcripts from high-speed dictation.

OAD 324: Information and Records Management.

3 credit hours

Emphasis is placed on the principles of applying scientific control to creating, processing, filing, maintaining, protecting, and disposing of an organization's records. The impact of word processing, computer possibilities, micrographics, environmental controls, and new equipment in the records field is investigated.

OAD 325: Machine Mathematics.

3 credit hours

Prerequisite: Business Administration 112. The application of ten-key printing and electronic calculators to mathematical, accounting, and statistical problems and the metric system.

OAD 330: Information Processing I.

3 credit hours

A hands-on experience in the operation of an information processing system; provides for knowledge and understanding of some of the basic concepts and careers in the field of information processing.

OAD 331: Information Processing II.

3 credit hours

Prerequisite: Office Administration 330. A continuation of Office Administration 330. Students learn the advanced operations associated with a word processing system; they complete business-related applications with the use of word processing stand-alone equipment. Such applications as global search and replace, merge functions, math support, and records management are performed in this course.

OAD 421: Executive Office Procedures.

3 credit hours

Prerequisite: Office Administration 104, Office Administration 212 or 272. An integrated course combining the skills of typewriting, accounting, and basic office procedures including dictation. Concerned

with the taking of minutes, report writing, preparation of office forms, manuscripts, office style documents, and the solving of problems which arise in the office.

OAD 422: Secretarial Office Internship.
3 credit hours

Prerequisites: Office Administration 311 and admission on approval of major professor in Business Education. Two-year Office Administration majors are to work in an office environment for approximately fifteen hours per week for twelve weeks. Majors with office experience or employed during semester of internship enrollment will be required to elect a Business course in lieu of internship.

OAD 492: Office Administration Internship.
6 credit hours

Prerequisites: Office Administration 421 and admission on approval of major professor in Business Education. Four-year Office Administration majors are to work in an office environment for approximately twenty hours per week for a minimum of twelve weeks. Majors with considerable office experience or employed during semester of internship enrollment will be required to elect a Business course in lieu of internship.

Real Estate

Although the School of Business does not offer a major or a degree in Real Estate, the following series of courses are offered on an alternating semester basis to provide students with a minimum number of courses to prepare for the Real Estate Examination and to provide real estate agents and brokers with continuing education opportunities.

Course Descriptions

RES 101: Principles of Real Estate.
3 credit hours

A study of the economic and legal environment within which real estate is transferred and used. The principal objective is to acquaint the student with general subjects necessary to enter into the real estate field. The areas to be covered in this course are brokerage, agreements of sale, deeds, financing of real estate, mortgages, judgments, valuation appraisal, and license law.

RES 102: Real Estate Marketing.
3 credit hours

Prerequisites: Real Estate 101. Principles, practices of listing, selling title transfer, drawing documents, contracts, deeds, financing, and other instruments are studied. The course covers ownership rights, liens, taxes, assessments, and other claims on real property.

RES 104: Real Estate Law.
3 credit hours

Prerequisites: Real Estate 101. Designed to equip the student with an understanding of legal principles governing real estate transactions with particular attention to sales, contracts, deeds, mortgages, title insurance, taxes, community property, and homestead law.

RES 201: Real Estate Valuation.
3 credit hours

Prerequisites: Real Estate 101. A general appraisal of the real estate market: factors affecting the value of land, construction costs per square foot and cubic foot, factors considered in residential and commercial appraisals, demonstrations of residential and commercial appraisals, and transaction of rental income into present value.

The Community College

General Information

An important instrument of the University's commitment to providing educational opportunities to the public is the Community College. Full-time students seeking associate degrees are enrolled for these programs through the Community College. Part-time degree and nondegree students are also enrolled in the University through the Community College. Coursework is offered on the University's Frankfort campus, and at convenient locations throughout the University's service area in north-central Kentucky.

With the academic year 1984-1985, the Community College assumes further responsibilities. New admission requirements (described elsewhere in this catalogue) for entrance into University degree programs provide that applicants who fail to meet the stated minimal admission standards can be enrolled in the University's Community College and receive individualized instruction and counseling that will realistically prepare them for the rigors of University-level coursework. Details of the University's comprehensive Developmental Studies Program were under review at the time this catalogue was published. More information is available from the Director of the Community College.

Associate degree programs for which the Community College has administrative responsibility include the Associate in Applied Science in Nursing, and the Associate in Applied Arts in Liberal Studies. Detailed information on these programs may be found in the sections which follow.

To meet the educational needs of nonresidential students who live or work in the University's service area, the Community College schedules classes in locations off campus and in surrounding communities at times that are convenient for such students. These classes are arranged to provide homemakers and other working students an opportunity to pursue a degree, to upgrade occupational or professional skills, or to engage in self-enrichment. Casual, visiting, and nondegree students and students who work full-time may enroll through the Community College for both on-campus and off-campus classes. In addition, older students who wish to return to school to resume their studies or who wish to begin a new program of studies may also enroll through the Community College.

To further accommodate the needs of working students, the Community College has organized the Weekday and Weekend College programs. Established for students seeking an associate degree in accounting, computer science, or nursing, these programs are designed to permit students to complete degree requirements within four years, or three years if courses can be completed during summers. Students in these programs attend classes one day a week or on Friday evenings and Saturdays.

Early admission programs, including the College Connection Program and the College Ahead Program, are coordinated by the Community College. These cooperative high school-University programs are designed for advanced students who seek a head start in their college studies. Enrollment in these programs is limited to qualified students who attend participating high schools. Students in these programs must meet early admission requirements and must have the permission of a parent or guardian as well as that of their high school counselor or principal.

The Community College also enrolls students in telecourses broadcast over the Kentucky Educational Television network. As a member of the Kentucky Telecommunications Consortium, Kentucky State University may offer college credit for one or more of the telecourses broadcast each semester over KET. The courses for which credit will be granted are listed in the Kentucky State University schedule of classes published in advance of each semester. Eligible students who enroll for credit and who satisfactorily complete all course requirements will be awarded credit by Kentucky State University.

Counseling

Prospective students are urged to visit the Community College office, Room 303, Carroll Academic Services Building, before registration in order to discuss matters related to enrollment, transfer of credits, fees, degree plans, etc. This visit should take place early enough for all admission procedures to be completed before registration.

Veterans

Students who are eligible for veteran's benefits should visit the Community College office several weeks before

they enroll. Those who apply at the time of registration will probably experience delays in receiving their benefit payments.

Withdrawal

No student will be withdrawn from a class or classes without a withdrawal form or withdrawal letter signed by the student. In accordance with the withdrawal deadlines published in the University academic calendar, a student will be withdrawn from a class or classes on the date the signed withdrawal form or withdrawal letter is received in the Community College office.

Refunds

A student who officially withdraws before the final refund deadline is eligible for a full or partial refund of the registration fee, the amount depending on the date of withdrawal. The official date of withdrawal is the date the written notice is received in the Community College office.

Calendar

The Community College calendar is the same as that listed in the front of this catalogue. Any variation will be announced at the beginning of each semester.

Associate Degree Programs

Programs and courses of study offered through the Community College are planned to meet the needs of several groups of students:

- Those who desire to extend their education two years beyond high school;
- Those who desire to complete a four-year college education and to obtain the first two years in a college near their homes;
- Those who expect to enter professional schools later and who desire to obtain the pre-professional training essential for that purpose;
- Those who want to improve themselves culturally or who want to learn for personal enjoyment; and
- Those who desire training in special areas which will prepare them for positions in government, business, and industry.

Eight curricula that may be of special interest to part-time students are offered by Kentucky State University: Accounting, Child Development and Family Relations, Computer Science, Criminal Justice, Industrial

Technology (Aviation Technology, Drafting and Design Technology, Electronics Technology), Liberal Studies, Nursing, and Office Administration.

Accounting

A student taking the courses in this curriculum, offered by the School of Business, will specialize in accounting and receive an associate degree. The curriculum includes related business courses and a number of general education subjects. A graduate of the program will be prepared to pursue employment in an accounting position with business and government. For details, see the section on the School of Business in this catalogue.

Child Development and Family Relations

The Child Development and Family Relations curriculum, offered by the Department of Home Economics, provides preparation for individuals who are now working with pre-school children and for those planning to enter the field. Satisfactory completion of the program will be based on courses taken and on the individual's demonstrated competency to assume primary responsibility for the education and development of young children. The required practicum may be completed through field supervision of those persons employed in early childhood programs. For details, see the subsection on the Department of Home Economics in the College of Applied Sciences section in this catalogue.

Computer Science

The Computer Science program offers an associate degree in Computer Science for students who plan careers in data processing and related computer activities. The program may also be used as a foundation for those desiring to pursue a bachelor's degree. The objectives are to provide an understanding of how computers operate; a working knowledge of computer concepts, programming, and systems; experience with computers through in-service training; and a foundation through basic courses for further college study.

Graduates of this associate degree program are equipped with training and experience to pursue employment as programmers and systems workers in data centers. The University operates a data processing center, and in addition maintains cooperative relationships with several local computer installations. For details, see the subsec-

tion on the Department of Computer Science in the College of Applied Sciences section in this catalogue.

Criminal Justice

The associate degree in Criminal Justice provides a student with basic knowledge of the composition and operation of the criminal justice system. In addition, the program provides flexibility to accommodate the student's interest in criminal justice. For details, see the subsection on the Department of Social Work and Criminal Justice in the College of Applied Sciences section in this catalogue.

Industrial Technology

The Community College, in cooperation with the Department of Industrial Education in the College of Applied Sciences, offers a two year associate degree program that is designed to prepare and/or upgrade industrial technicians. In this program a student may major in aviation technology, drafting and design technology, or electronics technology. Each major provides a background in general education and technology which enables students to perform intelligently on the job and, where applicable, to advance to four-year degrees if they choose to do so.

Aviation Flight Technology The flight technology program prepares students to pursue careers in government, with airlines, and in general aviation. With additional training the graduate may look forward to pursuing a career as an executive, as a pilot, or as a specialized aviation employee. Also, the program is useful to classroom teachers of aerospace education and for those who desire personal enrichment through additional knowledge and skill.

Drafting and Design Technology This major is designed to prepare graduates who can function as technicians in several types of industries, such as manufacturing, construction, architectural firms, engineering establishments, and governmental agencies.

Electronics Technology This major is designed for students who are preparing to pursue employment as technicians or who are employed as technicians in careers related to electronics technology, such as basic electrical assembler, basic electrician trainee, electrical equipment installer, component tester, commercial electrician trainee, electrical appliance mechanic, equipment in-

staller, electric motor technician, and others. For details, see the subsection on the Department of Industrial Education in the College of Applied Sciences section in this catalogue.

Office Administration

Through its two-year curriculum in office administration, the Community College of Kentucky State University offers an area of training designed to prepare a student for employment in secretarial and clerical fields.

This program is especially planned for the person who does not wish to pursue a bachelor's degree, but is interested in acquiring the requisite proficiencies and skills to pursue gainful employment and who desires the collegiate background that will contribute to advancement after a two-year period of study. For details, see the section on the School of Business in this catalogue.

Liberal Studies

The Associate of Arts in Liberal Studies is a two-year degree program offering a diverse but coherent educational experience. The curriculum of the Liberal Studies program is drawn largely from the University's Liberal Studies Requirements and is designed to defer vocational focus and emphasis in a particular discipline. Instead, it is intended to offer broad exposure to academic subjects and to serve as the foundation for further study. Upon completion of this curriculum, the student will have satisfied the general education requirements for most major fields. The Liberal Studies program should be of special interest to part-time students who wish to be enrolled in a degree program, but who are not ready to declare a major in a specific field.

Associate of Arts Degree in Liberal Studies

First Semester		Hours	Second Semester		Hours
ENG 101: English Composition		3	ENG 102: English Composition		3
MAT Math Elective above the 100 level		3	PHS 201: Physical Science		3
HIS 103: Survey of Western Civilization		3	ART 130: Introduction to Art		3
BIO 101: Life Science		3	MUS 130: Introduction to Music		3
PHE 221: Health & Safety Education or PHE Activity Course		2	SPE 103: Interpersonal Communication		3
PHI 200: Introduction to Philosophy		3	PHI 210: Introduction to Logic		3
		<u>17</u>			<u>18</u>
Third Semester		Hours	Fourth Semester		Hours
ENG 211: Introduction to Literature		3	ECO 200: Survey of Economics		3
PSY 200: General Psychology		3	POS 101: American Government		3
SOC 203: Survey of Sociology		3	• Computer Language or Foreign Language		3
• Computer Language or Foreign Language		3	IGS 201: Integrative Studies II		3
IGS 200: Integrative Studies I		3	** Science Elective		3
HIS History Elective		3	General Electives		3
		<u>18</u>			<u>18</u>

* Six hours in a computer language or 6 hours in a foreign language
 ** CHE 109 Survey of General Chemistry, PHY 111 Introduction to Physics,
 BIO 112 Exploration of Modern Topics in Biology, or PHS 202 Physical Science.

Additional Information

Prospective students for any of the preceding programs may write or call the Community College, Room 303, Carroll Academic Services Building, Frankfort, Ky. 40601 — Phone: (502) 227-6634 for detailed information about entrance requirements, specific courses, and schedules.

Nursing Program

Introduction

The Kentucky State University nursing program constitutes a coherent curriculum of general education and nursing education, and prepares selected men and women for entry-level staff nursing positions in hospitals and other health-care organizations or agencies. Successful completion of program requirements qualifies the student for the Associate in Applied Science Degree in Nursing, and entitles the student to write the examination for licensure as a registered nurse in Kentucky. Credits earned in the associate degree program may further qualify the student to transfer academic credit to institutions offering the baccalaureate degree in nursing.

At Kentucky State University, the associate degree program in nursing is organized as a two-year college curriculum including a core of general education coursework requirements that constitute approximately one-half of the total required credit hours for the award of the degree. The program emphasizes study in the fields of biophysical and social sciences, but considerable attention is given to the practical skills and requirements of the nursing profession, and related medical techniques and responsibilities.

Kentucky State University faculty members are responsible for all instruction in the nursing program. The selection, supervision, and evaluation of students in the University's nursing program, including both coursework taken at the University and required clinical fieldwork, is the responsibility of the Nursing Department faculty of the University.

Philosophy and Objectives

Every person is an individual with dignity and rights. A person does not or should not lose his dignity and rights, whether he is sick or well, young or old, clean or unclean, rich or poor, criminal or law-abiding. Every person has physical, psychological, social, and spiritual needs. These needs must be met if he or she is to survive, grow, and become a productive member of society. The unique function of the nursing profession is to assist an individual with an actual or potential illness or disability. Illness or disability must not be allowed to prevent a person from sustaining his or her independence and individual worth.

Aspiring nurses must be mindful of the philosophic foundations of the nursing program at the University. Academic coursework and other related program requirements find their justification in this statement of purpose. Nursing students are expected to possess sufficient intellectual capacity to undertake the academic coursework which is the centerpiece of the nursing program degree requirements. In addition, nursing students are expected to make appropriate academic progress towards completion of degree requirements. Faculty members are charged with the responsibility of providing guidance to each student enrolled in the program. Students must expect that high standards of performance will be set and that faculty members are available for individual counseling and coursework guidance.

The University intends that graduates of its nursing program should possess the requisite skills of a health care professional. These skills include both intellectual and manual competence that allows the nursing program graduate to provide direct quality nursing care to patients. Graduates of the University's nursing program are further expected to be prepared to deal with health problems arising from common physiological and social difficulties. Nursing program graduates should possess skills in standardized nursing action, medically delegated techniques, and patterns of intervention in patient care. Finally, nursing program graduates are considered potential members of nursing and health-care teams, and at times as leaders of a small nursing or health-care team under the guidance of a baccalaureate-qualified nursing professional. Accordingly, the University emphasizes a program of study which incorporates substantive scientific and nursing skills. These skills are regularly tested in problem-solving contexts within the general structure of the nursing degree program at the University.

Upon graduation from the degree program, an associate degree nurse is eligible for licensure by the Commonwealth of Kentucky on successful completion of the licensure examination. A licensed associate degree nurse may carry out nursing and other therapeutic procedures with patients under the supervision of a physician or professional nurse, or both. In addition, a licensed associate degree nurse assists in planning daily care for patients, evaluates a patient's physical and emotional

reactions to therapy, participates in the supervised response to patient distress, and otherwise generally contributes to the quality of health care provided to patients in health-care facilities.

Admission Requirements

Unqualified admission to the Associate in Applied Science in Nursing degree program requires that an applicant have a minimum ACT composite score of 19, and a minimum cumulative grade point average of 2.0 in high school coursework and in any previous college courses taken by the applicant.

In addition to complying with the University admission procedure stated elsewhere in this catalogue, the prospective nursing student who plans to enter the Associate Degree Nursing Program at Kentucky State University must complete and forward the following to the Chairperson, Department of Nursing, Kentucky State University, Frankfort, Kentucky 40601:

1. Application for admission to the nursing program;
2. Transcripts from previously attended schools;
3. ACT Score; and

This information must reach the Nursing office on or before May 1 for admission to the Fall Term.

After the student has been accepted for admission to Kentucky State University, has filed the application information with the Nursing Department, and has been accepted for admission to the nursing program, he or she will receive confirmation of acceptance from the Chairperson of Nursing.

Students required to take the English Placement test will be scheduled during Orientation Week.

All persons filing applications with the Nursing Department will receive notification concerning action taken on requests for admission to the nursing program.

Applicants *not* meeting requirements for acceptance into the nursing program may be admitted as pre-nursing students in the Department of Nursing. Students so admitted will be required to complete, with a minimum 2.3 GPA, 24 credit hours of general curriculum courses required in the nursing program. These courses will be taken in a sequence determined by the nursing faculty. Following completion of the general education courses with the required minimum grade point average, the student will be reevaluated for admission to the nursing program.

Requirements for Satisfactory Completion of Nursing Program

Minimum requirements for satisfactory completion of the nursing program are a grade of C in each of the five nursing courses, and a 2.3 GPA in general education courses required by the nursing curriculum. To earn a grade of C in a nursing course, the student must satisfactorily complete *all* portions of the course. As required by the course, this may include a theoretical portion, a clinical portion, *and* standardized examinations.

Expenses

Although Nursing students pay the same general University fees as other students, their program of study involves additional expenses, such as those for uniforms, cap, name pin, nursing emblem (for uniform), bandage scissors, liability insurance, white nurse's shoes, white hosiery, wrist watch with sweep hand, and testing fees.

Associate in Applied Science Degree - Nursing Curriculum

First Year

First Semester	Credit Hours	Second Semester	Credit Hours
ENG 101: English Composition	3	ENG 102: English Composition	3
BIO 107: Anatomy & Physiology	4	BIO 108: Anatomy & Physiology	4
BIO 204: Fundamentals of Microbiology	3	PSY 200: General Psychology	3
NUR 101: Nursing I	8	NUR 102: Nursing II	8
	<u>18</u>		<u>18</u>

Second Year

First Semester	Credit Hours	Second Semester	Credit Hours
*Elective	3	*Elective	3
FNU 104: Basic Nutrition	3	EDU 221: Human Growth: Developmental Psychology	3
SOC 201: Introduction to Social Science	3	NUR 202: Nursing IV	10
NUR 201: Nursing III	10	NUR 203: Nursing V	2
	<u>19</u>		<u>18</u>

38 Hours Nursing
35 Hours General Education
73 Hours TOTAL

*Chemistry, Nutrition, History, Physical Science, Psychology, Social Science (with Faculty approval).

The Faculty reserves the right to require a summer session between the first and second year if so indicated.

Course Descriptions

NUR 101: Nursing I 8 credit hours

An introductory course focusing on basic human needs and development, interpersonal relationships, and beginning skills of patient care. This course serves as a basis upon which future courses in major health disorders can be built. Laboratory experience is provided in various settings. 4 hours of class and 8 hours of laboratory per week.

NUR 102: Nursing II 8 credit hours

Prerequisite: Nursing 101. This course is designed to develop further the student's ability to care for individuals. The focus is on identification of nursing problems in relation to patients with major physical and mental health disorders that interfere with basic human needs. Emphasis is also upon the application of scientific and nursing principles and techniques, therapeutic nurse-patient relationships, and behavioral concepts essential to the care of patients in the psychiatric and general hospital setting. 4 hours of class and 8 hours of laboratory per week.

NUR 201: Nursing III 10 credit hours

Prerequisites: Nursing 101 and Nursing 102. This course is designed to prepare the student to give family-centered nursing care, applying nursing principles and techniques in the care of mothers during the maternity cycle and the care of the child from conception through adolescence. 5 hours of class and 10 hours of laboratory per week.

NUR 202: Nursing IV 10 credit hours

Prerequisites: Nursing 101, Nursing 102, and Nursing 201. The focus of this final clinical nursing course is on developing a co-ordinated approach to planning and implementing nursing care. The student learns to assume more responsibility for identifying health problems, planning and implementing nursing care of patients with major physical and mental health disorders. 5 hours of class and 10 hours of laboratory per week.

Nursing 203: Nursing V

2 credit hours

Prerequisites: Nursing 101, Nursing 102, Nursing 201. A seminar course for discussion of issues and trends in nursing, legal and ethical components of nursing practice, job opportunities and career satisfac-

tion, continuing education, and professional responsibilities and relationships. This course is designed to assist the student in making the transition from a student nurse to an active practitioner of nursing. 2 hours of class per week.

The Graduate Center

The Graduate Center at Kentucky State University is responsive to the many demonstrated needs and requests for expanded graduate education in Frankfort/Franklin County and in the Kentucky State University service area. The Center is dedicated to the expansion and improvement of graduate education in central Kentucky.

Interinstitutional Graduate Programs

Four state-supported institutions cooperate equally in developing graduate offerings through the Graduate Center on Kentucky State University's campus. These institutions are Eastern Kentucky University, Kentucky State University, the University of Kentucky, and the University of Louisville. If course or program needs

warrant, other public or private institutions may consider affiliating with the Center.

The major focus of the Graduate Center is to offer graduate courses and degrees. At present, these courses cover Business Administration, Computer Science, Criminal Justice, Elementary Education, Public Affairs/Public Administration, and Social Work. Based upon demonstrated demand and need, complete degree programs may be offered through the Center.

Each participating institution maintains its autonomy in the admission of students to a course/program which it provides, including the selection of faculty, fees, and the hours of credit awarded. Kentucky State University administers the program, provides the space, and serves as an intermediary between each student and the cooperating institution when a representative of the institution is not available at Kentucky State University.

Master of Public Affairs Program

The School of Public Affairs at Kentucky State University offers the Master of Public Affairs (MPA) Degree program through the Interinstitutional Graduate Center. The curriculum is designed to reflect the standards of the National Association of Schools of Public Affairs and Administration (NASPAA) and to meet the needs of current and future public sector careerists.

The Kentucky General Assembly provided initial recognition and funding in 1973 for the Public Administration graduate program at Kentucky State University. This degree program was the first in Kentucky to win both HEW Public Service Institutional and Fellowship Award Grants. A widely diversified interdisciplinary faculty works together to study problems relevant to contemporary society and to develop techniques to address those problems. Proximity to the seat of state government places both faculty and students in a pivotal position to monitor and influence management and policy trends.

The MPA program is problem-oriented and designed to serve both in-service and pre-service students. The academic component is supported by a variety of applied research activities. Each of the research activities is designed to provide the student with research skills as well as a body of knowledge and information for practicing public administrators. A career ladder concept is employed in the Public Affairs program. The career development pattern may begin with the associate degree, continue on to a baccalaureate degree, and then a master's degree.

The master's degree program is designed to contribute to the enhancement of public sector competence. This is achieved by providing opportunities for graduate education to in-service public and related private sector employees, and to pre-service candidates seeking careers in local, state, or federal public service.

The curriculum develops a humanistic perspective through an interdisciplinary liberal education that yields intellectual breadth and interpersonal sensitivity. It also helps students adapt and apply their interdisciplinary knowledge to those managerial and analytical skills needed to confront problems in the public sector. The

Master of Public Affairs (MPA) curriculum is continually realigned to meet the changing issues and concerns in the public sector.

The School of Public Affairs at Kentucky State University has been a member of the National Association of Schools of Public Affairs and Public Administration (NASPAA) since 1973. The curriculum follows NASPAA standards for professional degree programs. Degree requirements for the MPA may be completed with a minimum of 36 hours of graduate coursework. However, individual candidates lacking adequate undergraduate background and practical experience may be required to complete an internship in addition to the coursework.

A general professional core of knowledge is expected and required of each graduate degree candidate through completion of eight core courses. This knowledge base is built individually through consultation with the student's advisor. It includes a level of knowledge, skill and competency in Public Affairs perspectives, research methods and policy analysis, quantitative methods, public sector economics, organizational theory and behavioral dynamics, personnel management, financial administration, and management information systems.

Evaluation of student progress is individually monitored throughout the course of graduate study to insure professional growth. A qualifying examination is administered after students complete 12 credit hours. The GRE is required for admission to the program or must be taken before completion of 12 credit hours. The final 6 credit hours of graduate option require each student to select, with the approval of the student's advisor, either a thesis (for 6 credit hours); a professional project (for 6 credit hours); or additional coursework (for 6 credit hours). A final comprehensive examination is given to those students who elect to take additional coursework. Defense of either the thesis or the professional project is required of those students who elect to undertake one of these graduation options.

The MPA Program offers a number of specialty areas in response to the various needs for public sector expertise. These specialty areas currently include: State Administration, Management Information Systems, Personnel Management, Employment and Training, and Comparative Administrative Systems. Courses in the student's choice of specialty areas are normally taken after the completion of the professional core courses. A minimum of 6 credit hours in the specialty area is required and students may elect to take additional hours.

Entrance Requirements MPA Program

Admission to the Master of Public Affairs (MPA) program requires the following:

1. An earned Bachelor's degree from an accredited college or university with two copies of the official transcript.
2. A Grade Point Average (GPA) of at least 2.7.
3. An acceptable score on the Graduate Record Examination (GRE) prior to completion of 12 hours of graduate coursework.
4. Two letters of recommendation, primarily from former teachers, advisors, or employers.
5. Completion of an Application for Graduate Admission form, including the writing of a brief essay on the goals of the MPA study.

An applying student is required to have an admissions interview with one or more members of the School of Public Affairs (SPA) faculty.

An applying student with a GPA below 2.7 may receive a conditional admission into the program by demonstrating professional and / or academic growth during an admissions interview with SPA faculty. Conditional admission allows a student to take up to 12 hours of graduate course work in which he / she must earn at least a 3.0 average. Full admission to degree candidacy status is attained after completion of 12 hours of graduate course work with a GPA of 3.0 and successful completion of a qualifying examination.

Students should consult the *Handbook for MPA Students*, available from the Dean of the Graduate Center, for further information about graduate study.

Course Descriptions

PUA 500: Public Affairs Perspective.
3 credit hours

Provides students with insights concerning managerial positions in the

public sector. Topics covered include public policy, political/economic environment, organization theory, management practices, planning, financial management, leadership, intergovernmental relations, decision-making, personnel management, and futuristic trends in the public sector.

PUA 501: Quantitative Methods.

3 credit hours

A study of statistical measures from a managerial perspective and the use of social science package computer programs for doing statistical analyses. Topics covered include measures of central tendencies, dispersion, correlation, inference, and the practical use of SPSS computer programs for analyzing administrative data.

PUA 502: Public Sector Economics.

3 credit hours

Incorporates the basic concepts of microeconomics and macroeconomics with emphasis on the leading institutions and indicators in the American economy. Topics covered include comparative systems, supply and demand analysis, antitrust, fiscal and monetary theory, and the study of relevant discrimination and poverty issues.

PUA 503: Research Methods and Policy Analysis.

3 credit hours

Prerequisite: Public Affairs 501 or consent of instructor. An introduction to skills and concepts useful for research involving analysis and evaluation of public policy and programs. Topics covered include the use of the library, design of policy studies, evaluation research, survey techniques, data analysis, report writing, and ethical issues in social research.

PUA 504: Organization Theory and Behavior.

3 credit hours

Surveys the theories of complex organizations. Topics include an investigation of empirical findings relating to socialization, role-analysis, group dynamics, leadership behavior, organizational change, and employee motivations in administrative systems.

PUA 505: Introduction to Management Information Systems.

3 credit hours

Introduces the disciplines, concepts, and terminology of Management Information Systems. Prior knowledge of computers or systems analysis is not required. Topics include microcomputer applications for computers in a management information system.

PUA 506: Public Personnel Management.

3 credit hours

This course is a prerequisite for all other courses in personnel management. It provides students with an overview of personnel management concepts and focuses on various functions and laws which comprise the personnel function in the public and private sectors. Topics include recruitment, selection, orientation, training, career development, performance evaluation, compensation, promotion, benefits, services, safety, EEO, labor relations, and discipline.

PUA 507: Financial Administration for the Public Sector.

3 credit hours

Focuses on current governmental financial management issues and techniques. Develops specific skills to be applied by public executives in preparing budget proposals for local, state, or federal governments. Topics include budgetary systems utilized in governmental agencies and governmental accounting procedures for students without strong business and accounting backgrounds.

PUA 601: Seminar in State Administration.
3 credit hours

Prerequisites: All core courses or consent of instructor. Examines the managerial aspects of state administration with comparisons of selected public policies in different American states. Considers the political and economic environments confronting administrators in state government. Topics include the administrative and legislative process, personnel administration, regulatory processes, regionalism, financial management, reorganization, and the public-private interface.

PUA 602: Seminar in Intergovernmental Relations.
3 credit hours

Prerequisites: All core courses and Public Affairs 601, or consent of instructor. Focuses on the administrative aspects of relationships between local, state, and federal governments in the United States. Topics include public policy-making in the federal system, grants-in-aid, revenue sharing, and regional and interstate organizations.

PUA 612: Personnel Law and Administration.
3 credit hours

Prerequisites: Public Affairs 506 or consent of instructor. Introduces students to varying regulations and concepts with which they must deal in administering the personnel functions of an organization. Topics include the history of civil service, administrative regulations, workmen's compensation, unemployment compensation, the open-records law, Kentucky Labor Law, EEO, IPA, OSHA, and ERICA.

PUA 613: Labor Relations and Collective Bargaining.
3 credit hours

Prerequisites: Public Affairs 506 or consent of instructor. Introduces the student to labor/management relations. Compares the characteristics of the private and public sectors with focus on current problems in public sector labor relations. Topics include bargaining, legislative history, comparative labor movements, interstate differences, multilateral bargaining, industrial organization, and current issues.

PUA 614: Applied Human Relations.
3 credit hours

Applies human relations theory and practice to the public sector to develop a people-in-systems focus that will meet the needs of government workers and the agencies they serve.

PUA 621: Overview of Employment and Training Programs.
3 credit hours

A survey course which presents an overview of public sector employment and training programs. Topics include basic labor market concepts, the planning and function of management information systems, and client services.

PUA 622: Labor Force Planning and Labor Market Analysis.
3 credit hours

Focuses on complex labor market concepts, stressing demographic analysis as well as other methods. The planning process is developed along with the specific techniques to monitor and evaluate program effectiveness.

PUA 623: Management Information Systems.
3 credit hours

Prerequisite: Public Affairs 505 or consent of instructor. Addresses systems design, system requirements, and system engineering. Examples from employment and training programs develop the techniques involved in fiscal and participant tracking. Topics include manual versus automated systems and contract management.

PUA 624: Counseling in the Workplace.
3 credit hours

Prerequisites: Public Affairs 506 or consent of instructor. A study of the theories and techniques of counseling at the workplace, including career counseling for employees and the unemployed, interviewing, performance appraisal, male/female issues, and EEO problems.

PUA 631: Seminar in Comparative and International Administration.
3 credit hours

Analyzes systems of public management and their political environment in selected countries of Africa, Asia, Europe, and Latin America. Topics include managerial problems and international public agencies.

PUA 632: Comparative Economic Systems.
3 credit hours

Surveys economic systems of Western, Communist, and Third World nations. Topics include economic problems of developing nations and the impact of global political and economic trends.

PUA 641: Seminar in Management Information Systems (MIS).
3 credit hours

Prerequisites: Public Affairs 505 or consent of instructor. This course is required for all students choosing the MIS specialty area. Examines the technological, social, psychological, and legal aspects of Management Information Systems. Topics include an evaluation of currently available hardware and software and an analysis of the information life-cycle.

PUA 642: Decision Support Systems.
3 credit hours

Prerequisites: Public Affairs 501 and Public Affairs 505 or consent of instructor. A required course for all students who choose the MIS specialty area. Topics include the use of computer hardware and software to retrieve data, manage data bases, model alternatives, and prepare reports. Analyses are made with public sector focus, using PERT, CPT, the "what if" technique, and modeling.

PUA 680: Statistical Packages for Data Analysis.
3 credit hours

Prerequisites: Public Affairs 501, 503, and 505 or consent of instructor. Explores reporting and data analysis capabilities of various software packages. Emphasizes research uses, particularly with large data bases. Topics for software emphasis may include SAS, SPSS, SPSS-X, d Base II, or other microcomputer packages.

PUA 681: MIS Law and Auditing.
3 credit hours

Prerequisites: Public Affairs 503 and 505 or consent of instructor. Analyzes developments influenced by U.S. transition into an information economy and the current widespread use of microcomputers. Addresses copyright laws and security concerns from a legal perspective. Topics include the importance of computers in auditing as compared to the use of manual systems.

PUA 682: Concepts and Practices of Public Budgeting.
3 credit hours

Focuses on the budget as a system of financial control and a tool for public planning. Topics include general budgetary theory and the Kentucky Budget with emphasis on budget construction.

PUA 683: Organizational Development.
3 credit hours

Studies the methodologies used for systematically bringing about

organizational change and improvement. Students will learn how to increase the effectiveness of government agencies through the application of research and theory from the behavioral and social sciences.

FUA 684: Seminar in Productivity Analysis.
3 credit hours

Examines approaches to productivity measurement and program evaluation as developed in public service. Considers the rationale, measurement techniques, research designs, and problems involved with this aspect of public management and approaches to productivity measurement and program evaluation.

FUA 685: Ethics for Public Sector Management.
3 credit hours

Enables students to recognize ethical dilemmas in public sector management, develop their skills of ethical analysis, be aware of their own personal moral judgments, and encourages thinking about long-range issues of the political order and professional ethics and standards.

FUA 686: Training and Development in the Public Sector.
3 credit hours

Considers the role of education, training and development in the public sector. Gives special attention to the impact of education and training on productivity in the workplace. Topics include training methods and evaluation techniques.

FUA 687: Current Issues in Public Affairs.
3 credit hours

Focuses on issues of current interest in the public sector. Topics include the determination, review, and analysis of timely public affairs topics from an interdisciplinary perspective.

FUA 688: Seminar in Public Policy Analysis.
3 credit hours

Prerequisites: Public Affairs 503 or consent of instructor. Utilizes policy analysis techniques to study urban services, the quality of the environment, and public sector provision of health care, social services, and transportation. Topics are chosen on the basis of timeliness and student interest. Includes presentation of research findings by individual class members.

FUA 689: Directed Study.
3 credit hours

Completion of an approved project designed to provide the student with

an opportunity to develop an area of expertise not covered by the regular curriculum.

FUA 691: Seminar in Personnel Classification and Compensation Theory.

3 credit hours

Prerequisites: Public Affairs 506 or permission of instructor. Provides a theoretical base in classification and compensation. From this base, students focus on techniques of classifying and providing compensation for positions in the public/private sector. Areas studied include job description and analysis, post-rating, job-pricing, salary structure, and equity.

FUA 699: Administrative Internship in Public Affairs.
3-6 credit hours

Required of all students with limited or no previous work experience related to their specialty area in Public Affairs as determined by the Public Affairs faculty. Provides an opportunity to gain practical experience in a work setting and demonstrates acquired work-related skills. Close supervision of the internship is provided by a faculty member in Public Affairs.

FUA 790: Professional Project.

6 credit hours

Prerequisites: Previous approval by a Public Affairs faculty committee. Completion of a project approved by the committee involving direct participation in a government or volunteer agency, public interest group, or similar organization. Project activities may include preparation of an administrative manual or report of the design of an organization structure, etc. Faculty will evaluate the quality of the work.

FUA 799: Thesis.

6 credit hours

Prerequisites: Previous approval by a Public Affairs faculty committee. Independent and original research on a specialized topic in Public Affairs. The faculty committee will approve the topic selected, supervise the student's progress, and evaluate the quality of the completed research. Findings must be presented in a format which follows established rules.

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Mr. Ellison H. Marcus <i>Frankfort, Kentucky</i>	March 31, 1987
Mrs. Donna Moloney <i>Lexington, Kentucky</i>	April 28, 1988
Mrs. Sue Stodghill <i>Louisville, Kentucky</i>	January 1, 1990
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